



MANUAL DE SERVICIO

MODELO: MCV904 (MCS904F/S/W/AW)



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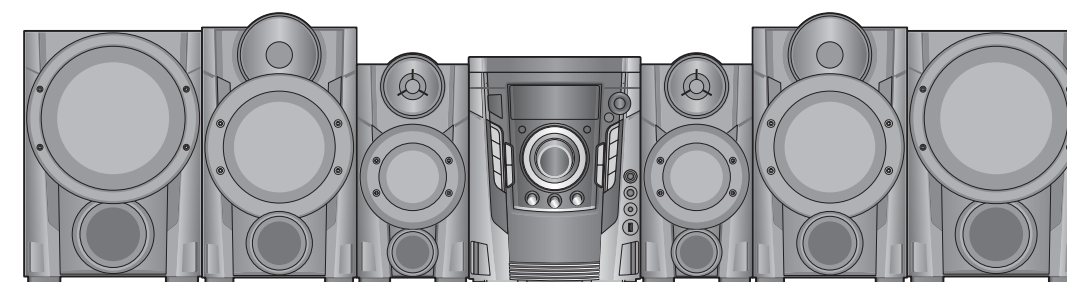
MARCH , 2009

SISTEMA MINI Hi-Fi

MANUAL DE SERVICIO

PRECAUCIÓN

LEA LAS "MEDIDAS DE SEGURIDAD" DE ESTE MANUAL ANTES DE REALIZAR LABORES DE MANTENIMIENTO.



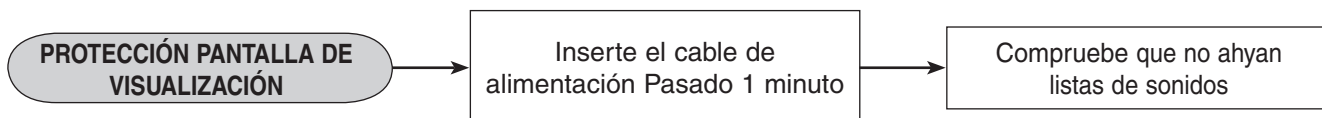
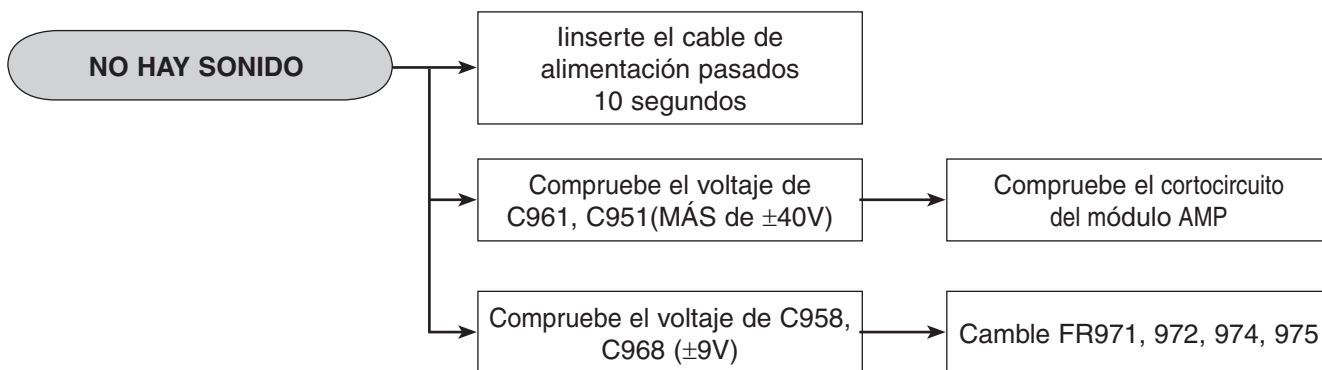
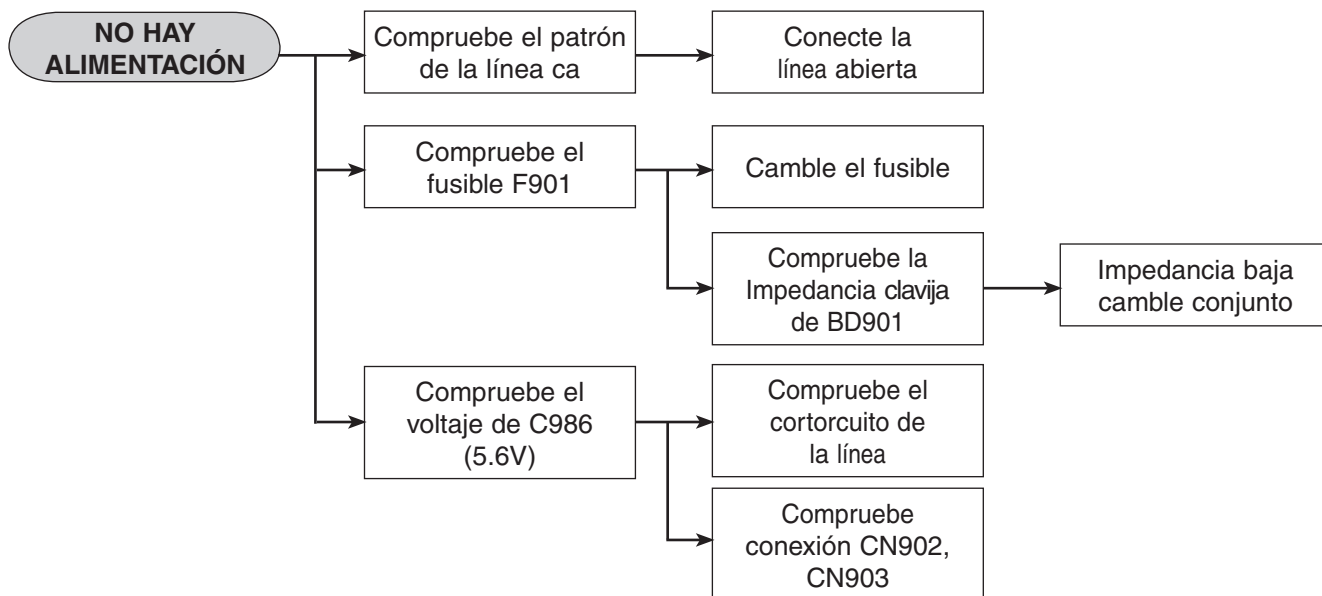
MODELO: MCV904 (MCS904F/S/W/AW)

LG

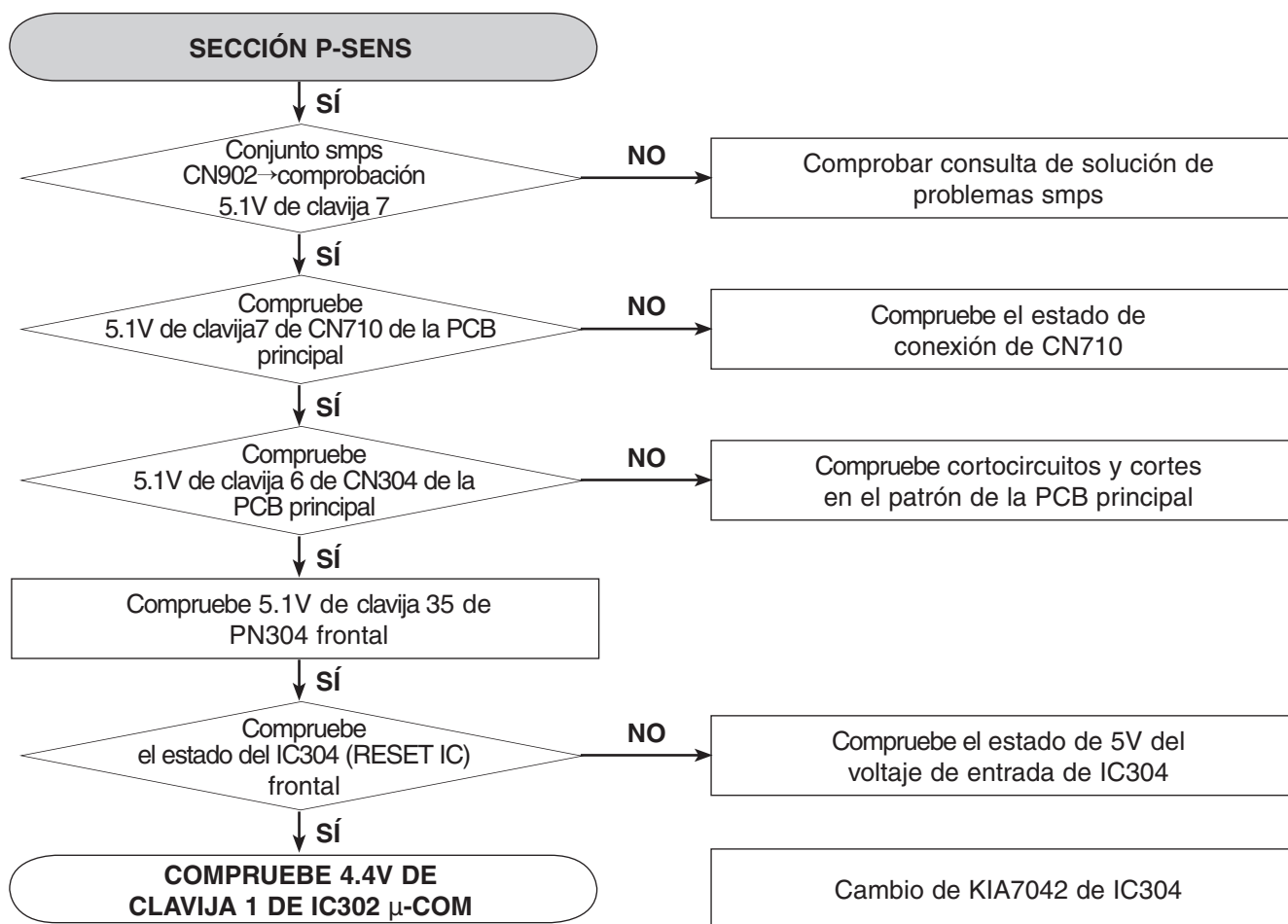
SECCIÓN 3. PARTE ELÉCTRICA

GUÍA DE SOLUCIÓN DE AVERÍAS ELÉCTRICAS DE AUDIO

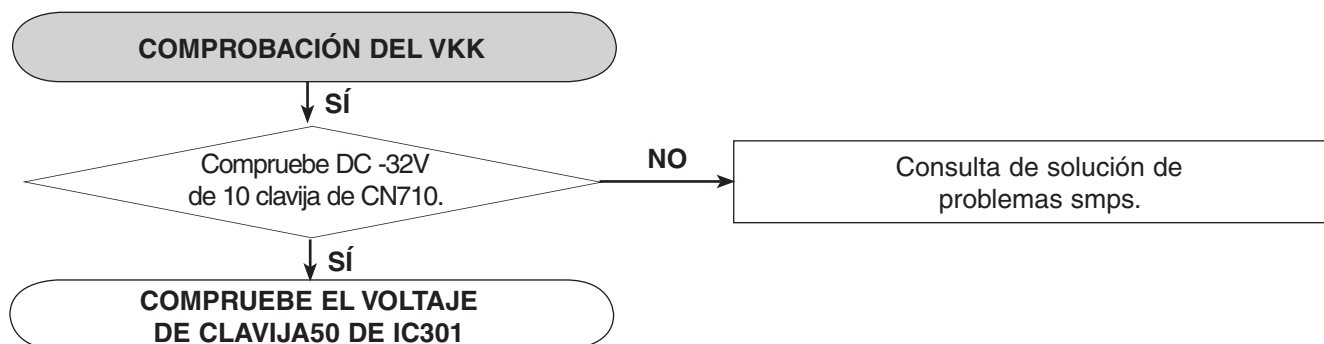
1. ALIMENTACIÓN (SMPS)



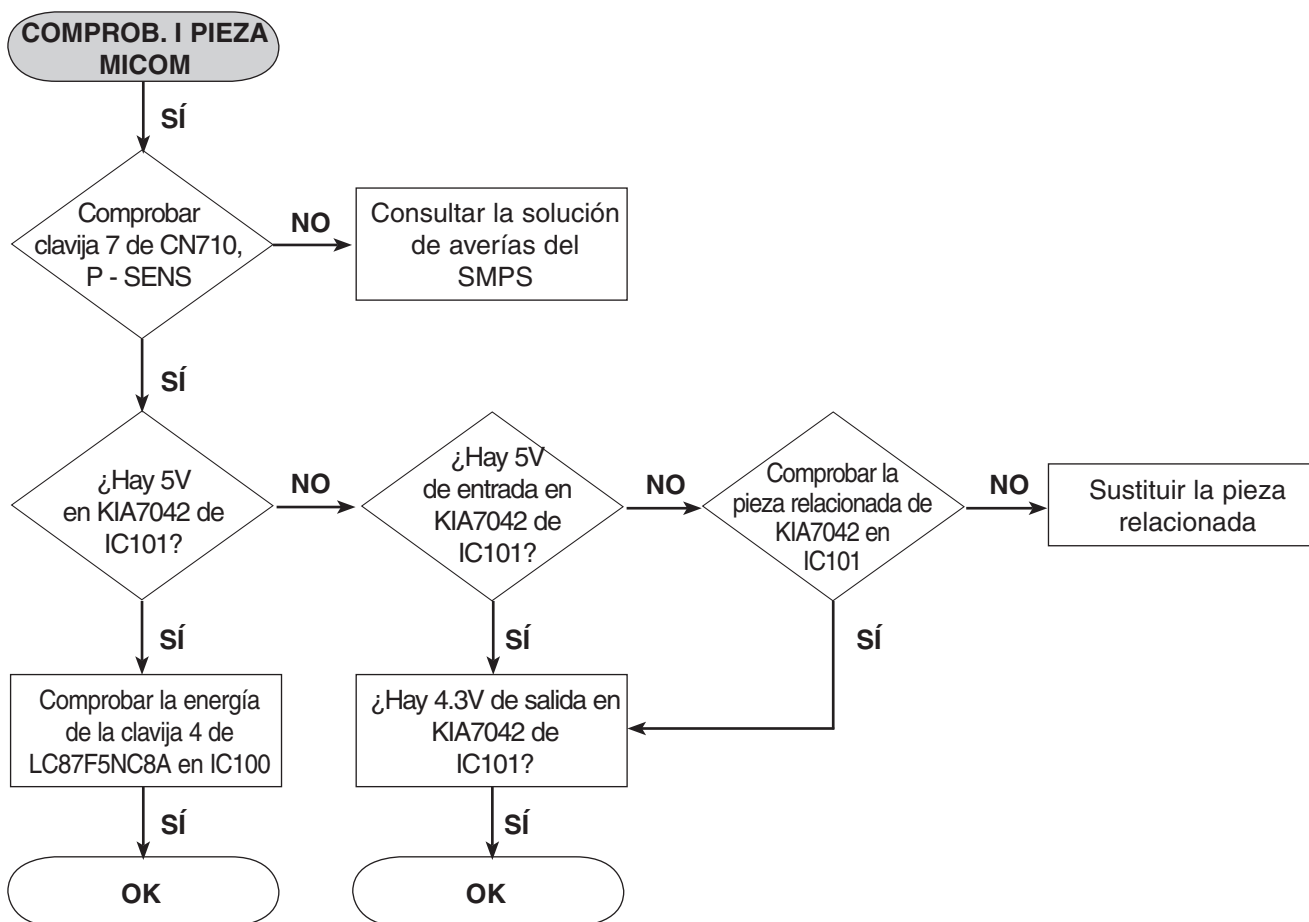
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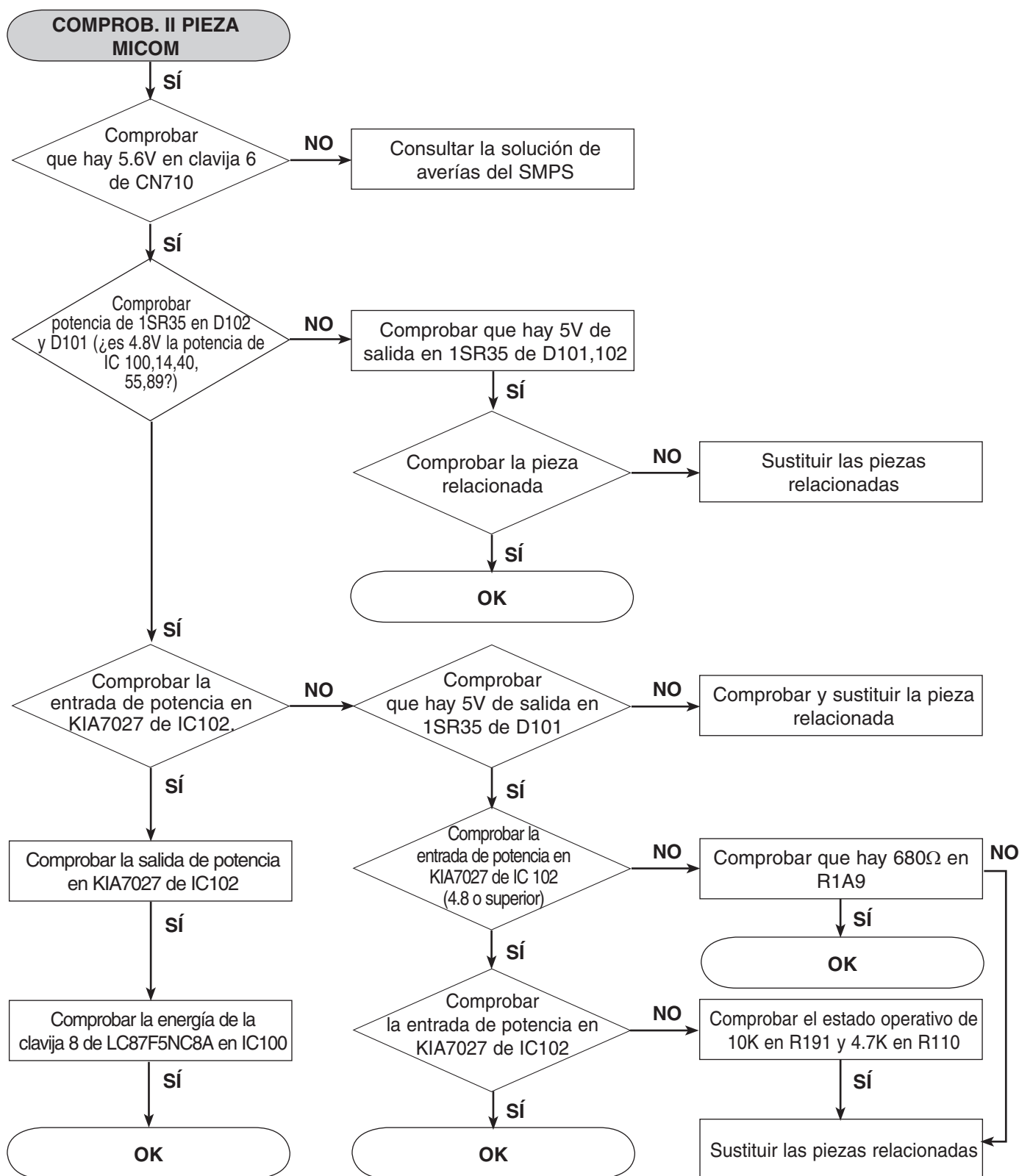
3. COMPROBACIÓN DEL VKK



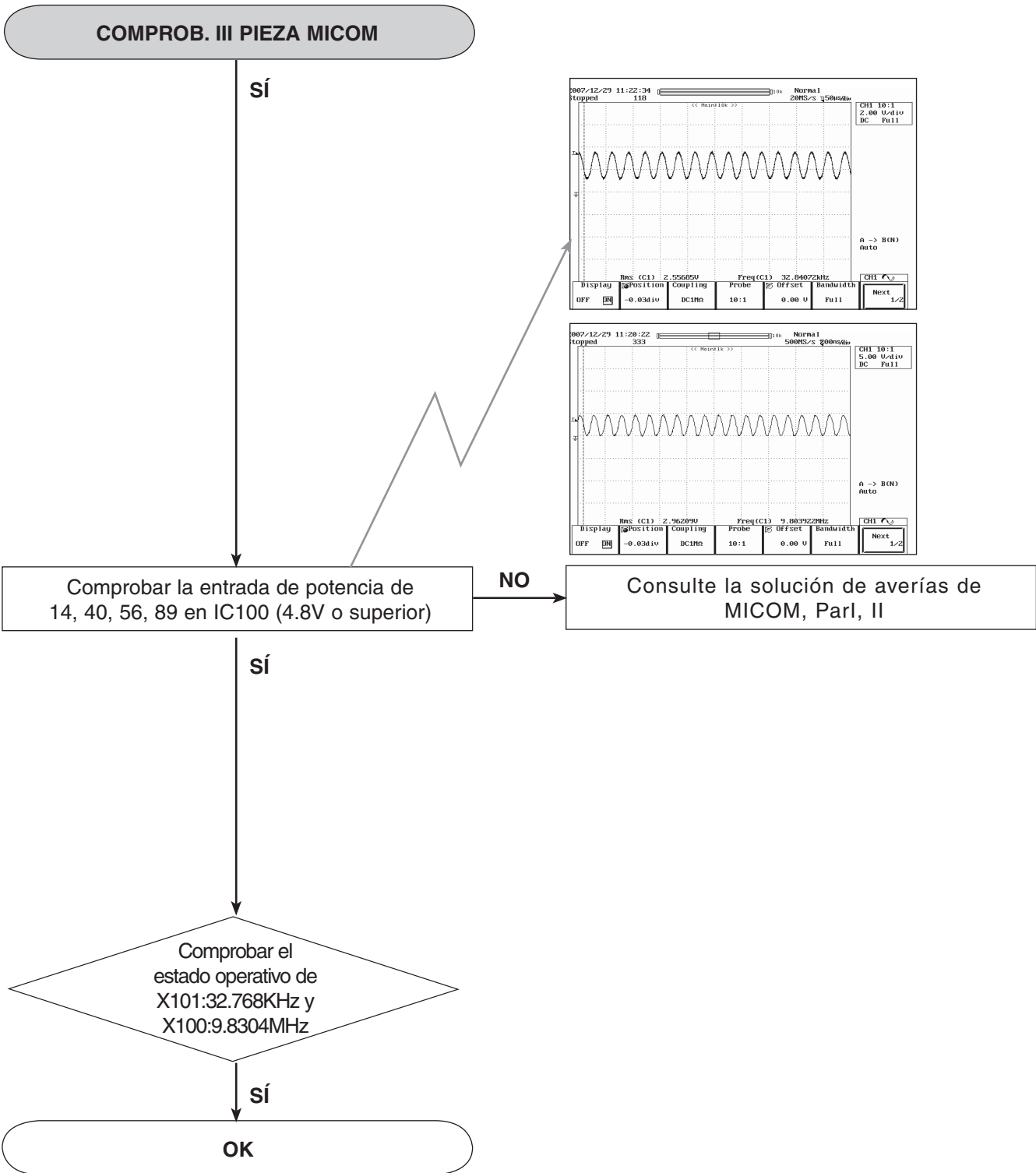
4. COMPROB. I DE PIEZA MICOM



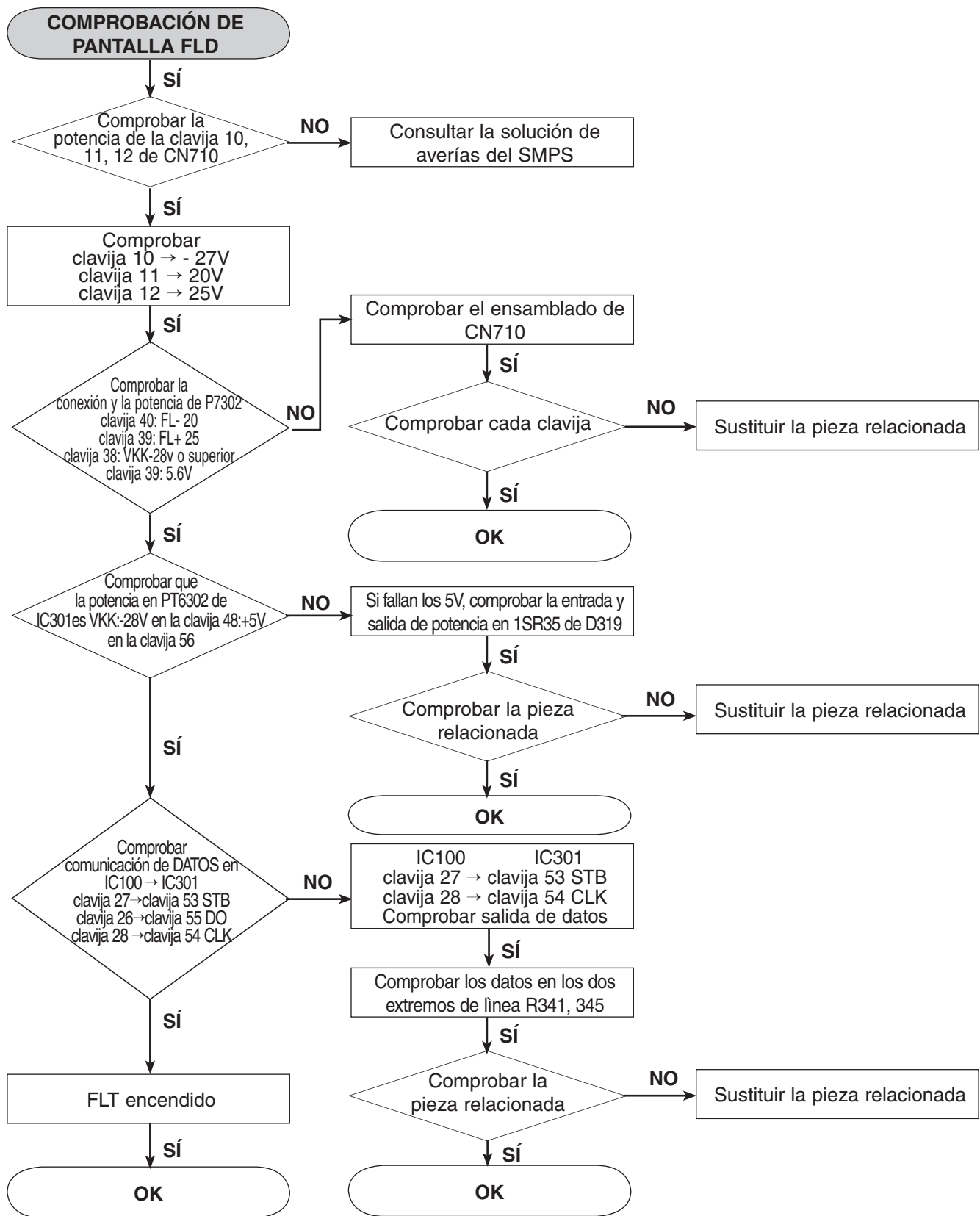
5. COMPROB. II PIEZA MICOM



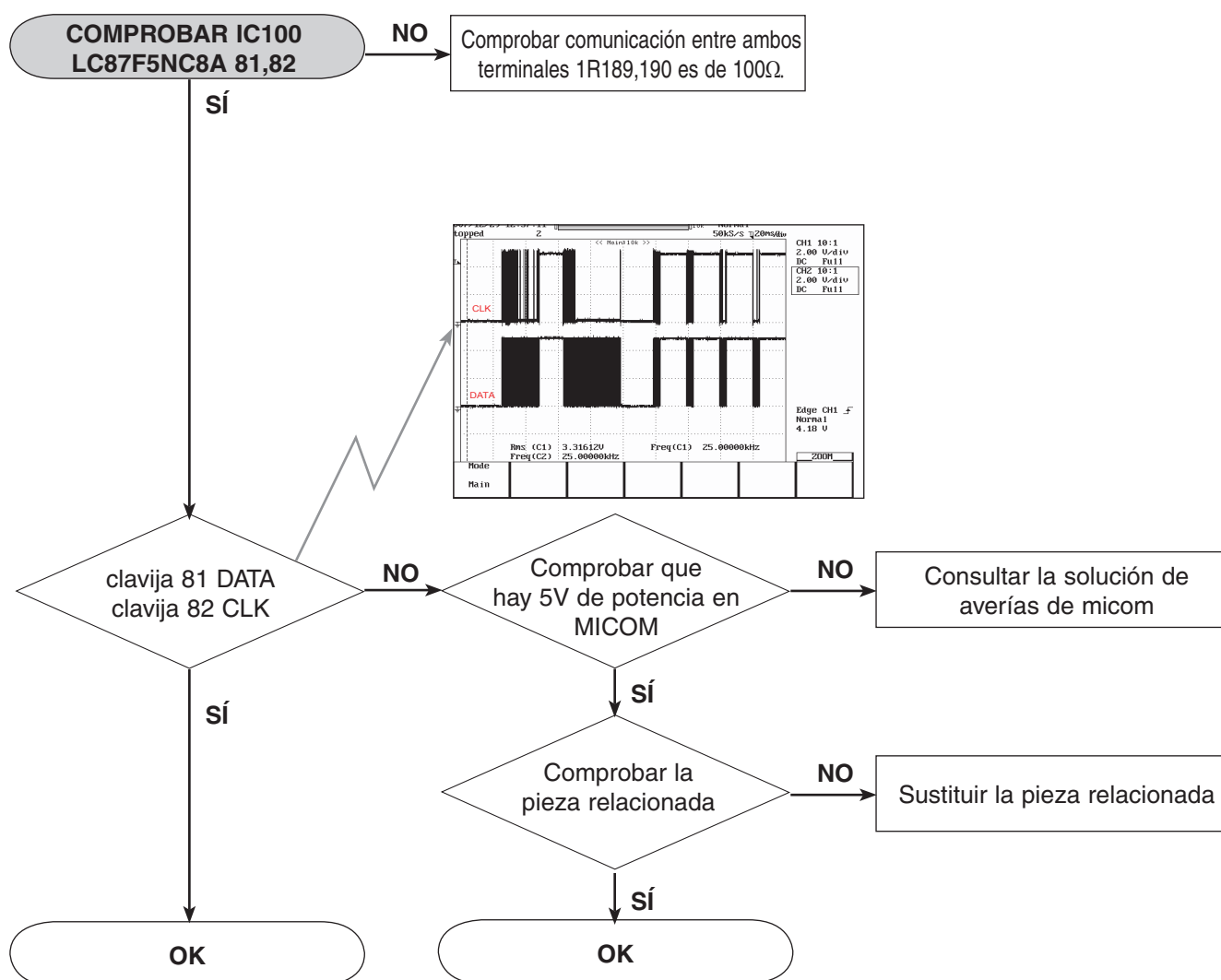
6. COMPROB. III PIEZA MICOM



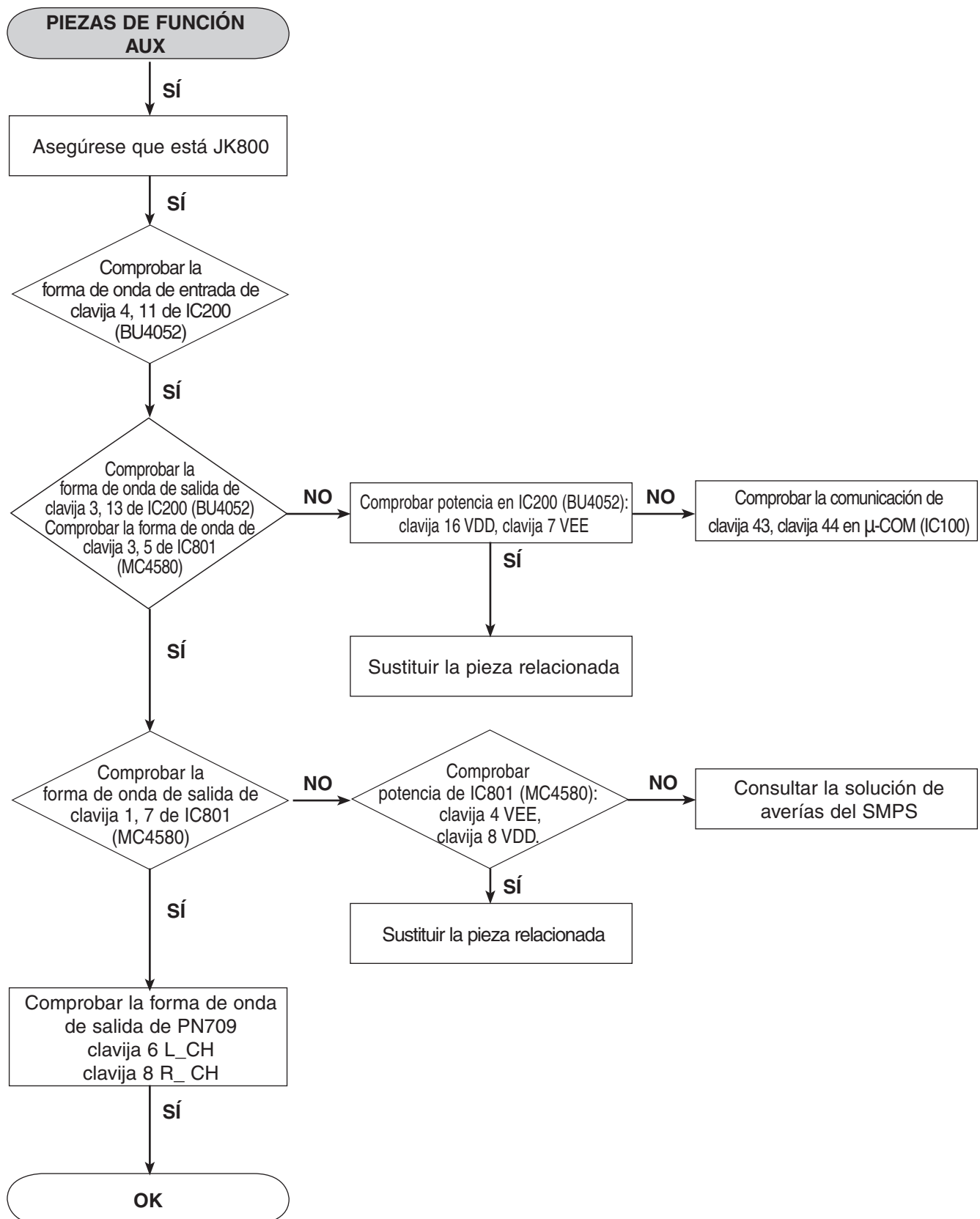
7. COMPROBACIÓN DE LA PIEZA DE PANTALLA FLD



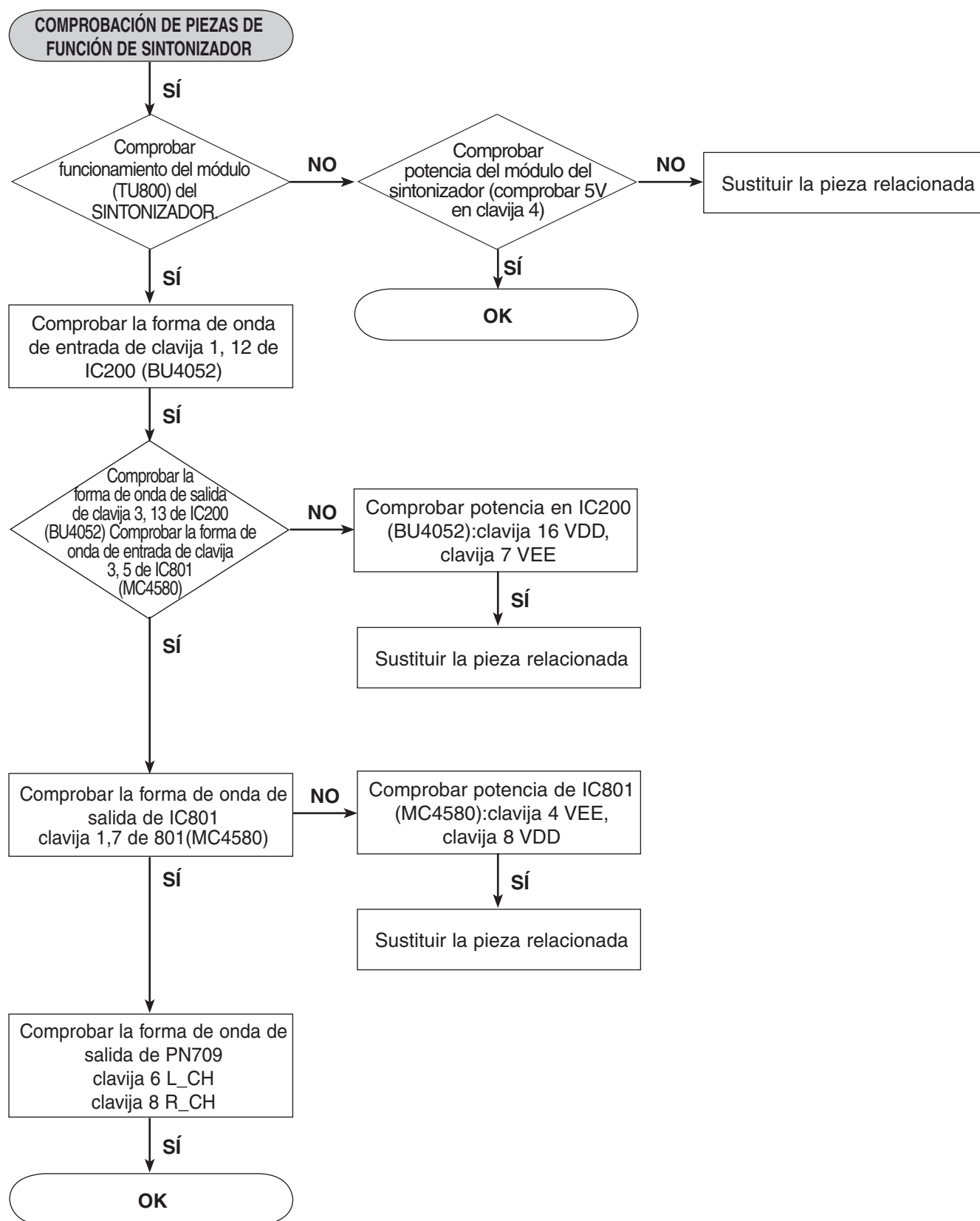
8. COMPROBACIÓN DE IC103 S-24CS16A01-J8T1GE



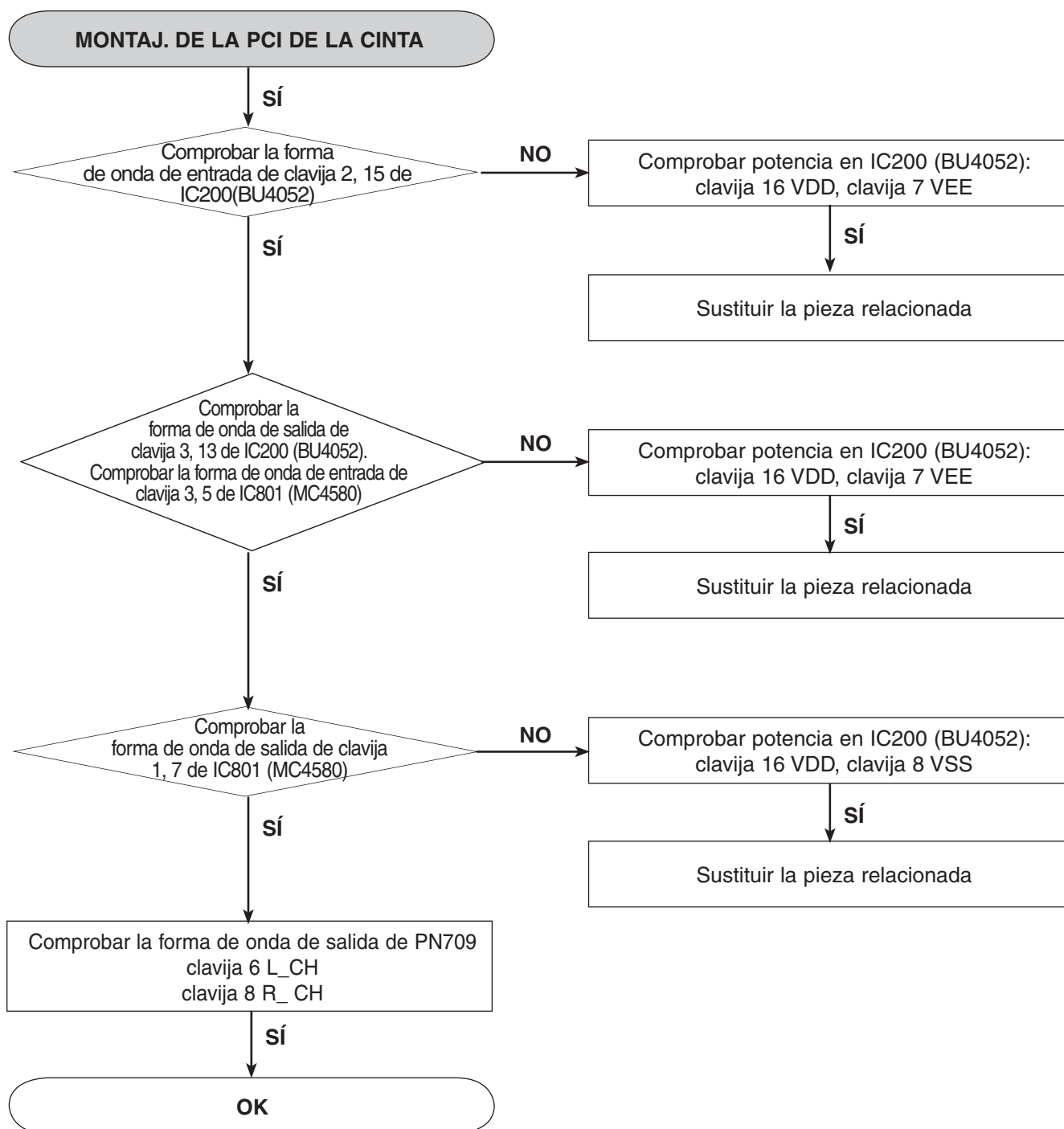
9. COMPROBACIÓN DE PIEZAS DE FUNCIÓN AUX



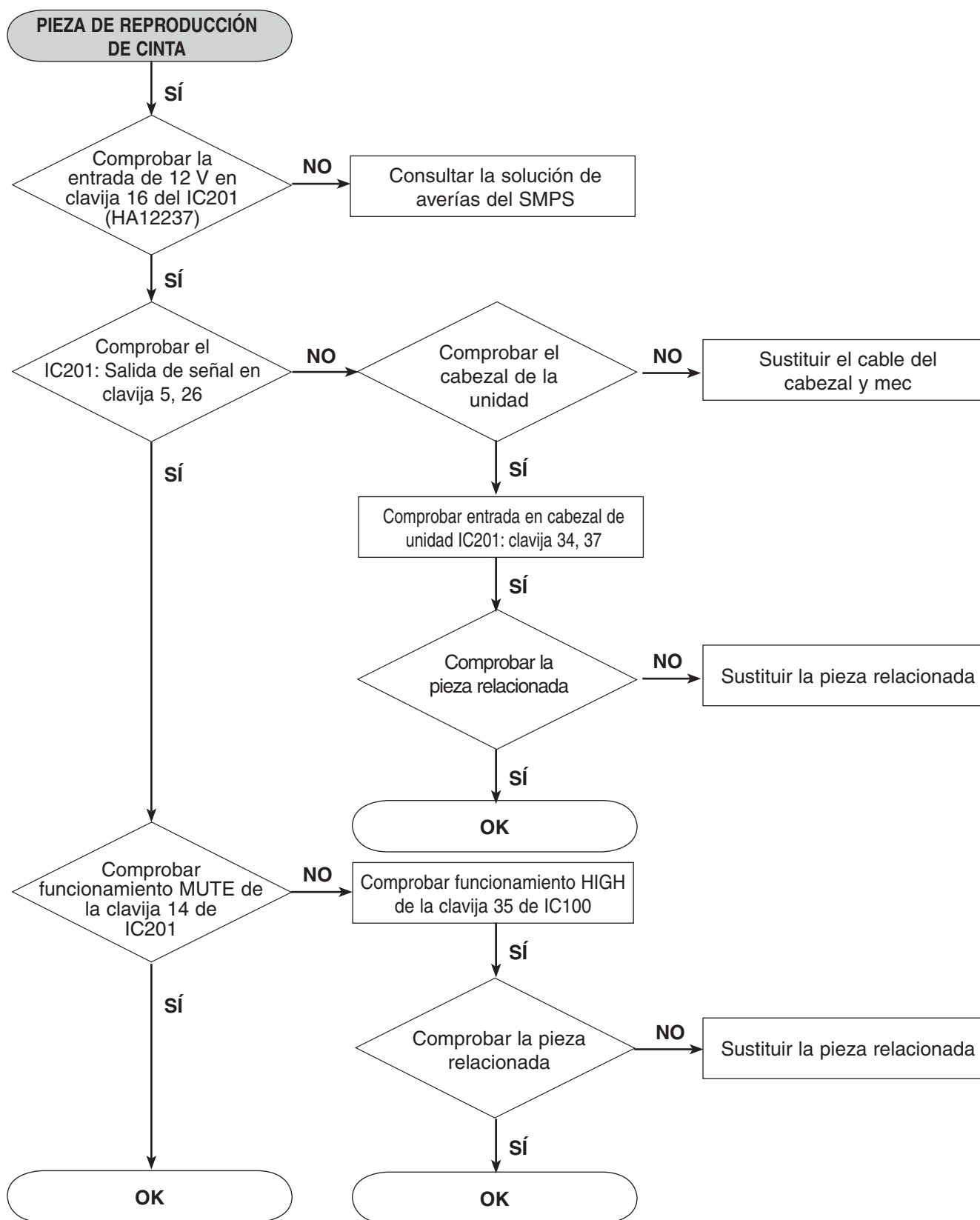
10. COMPROBACIÓN DE PIEZAS DE FUNCIÓN DEL SINTONIZADOR



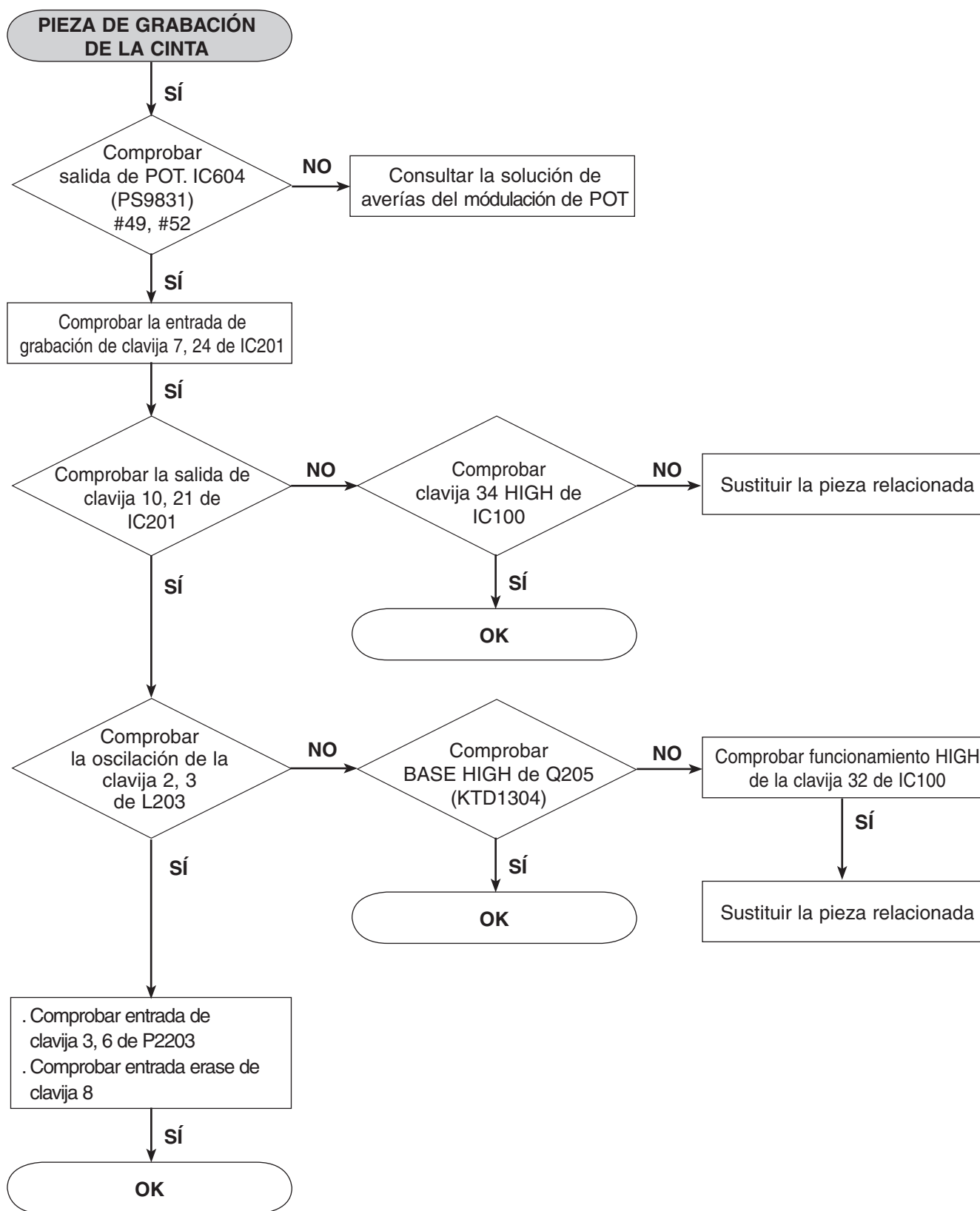
11. COMPROBACIÓN DE LA FUNCIÓN CINTA



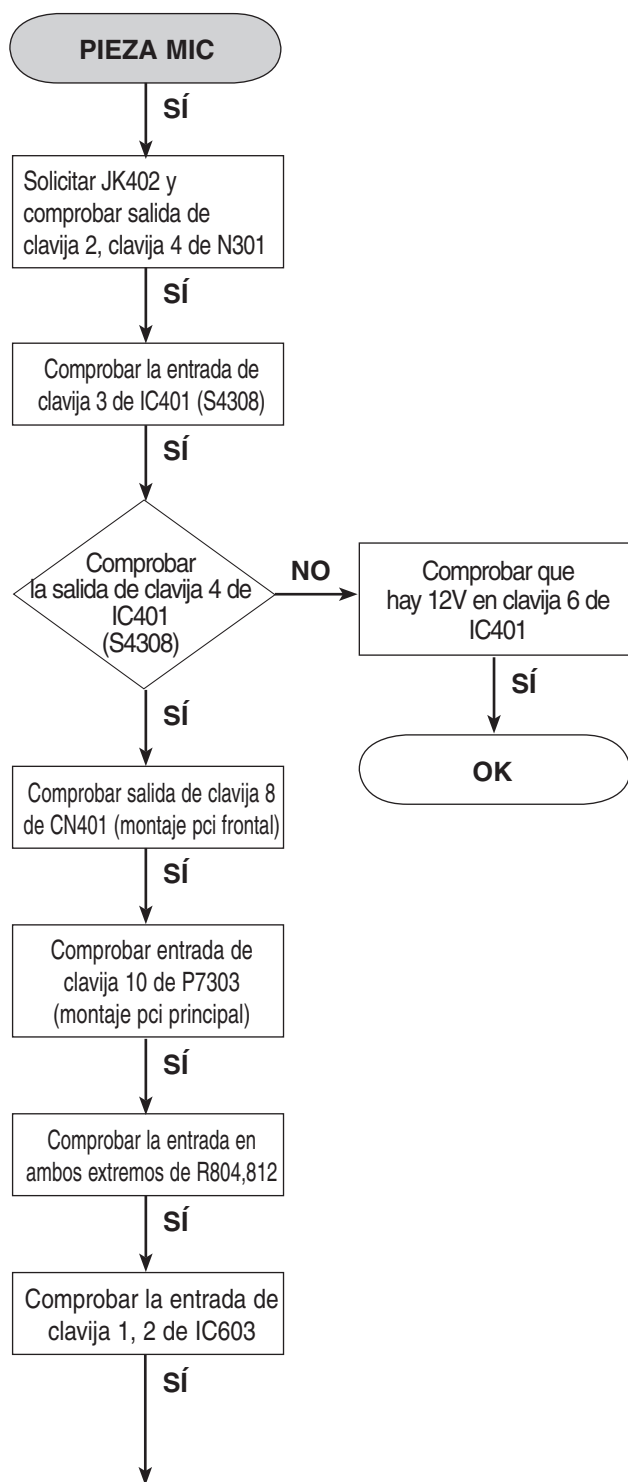
12. COMPROBACIÓN DE LA PIEZA DE REPRODUCCIÓN DE LA CINTA

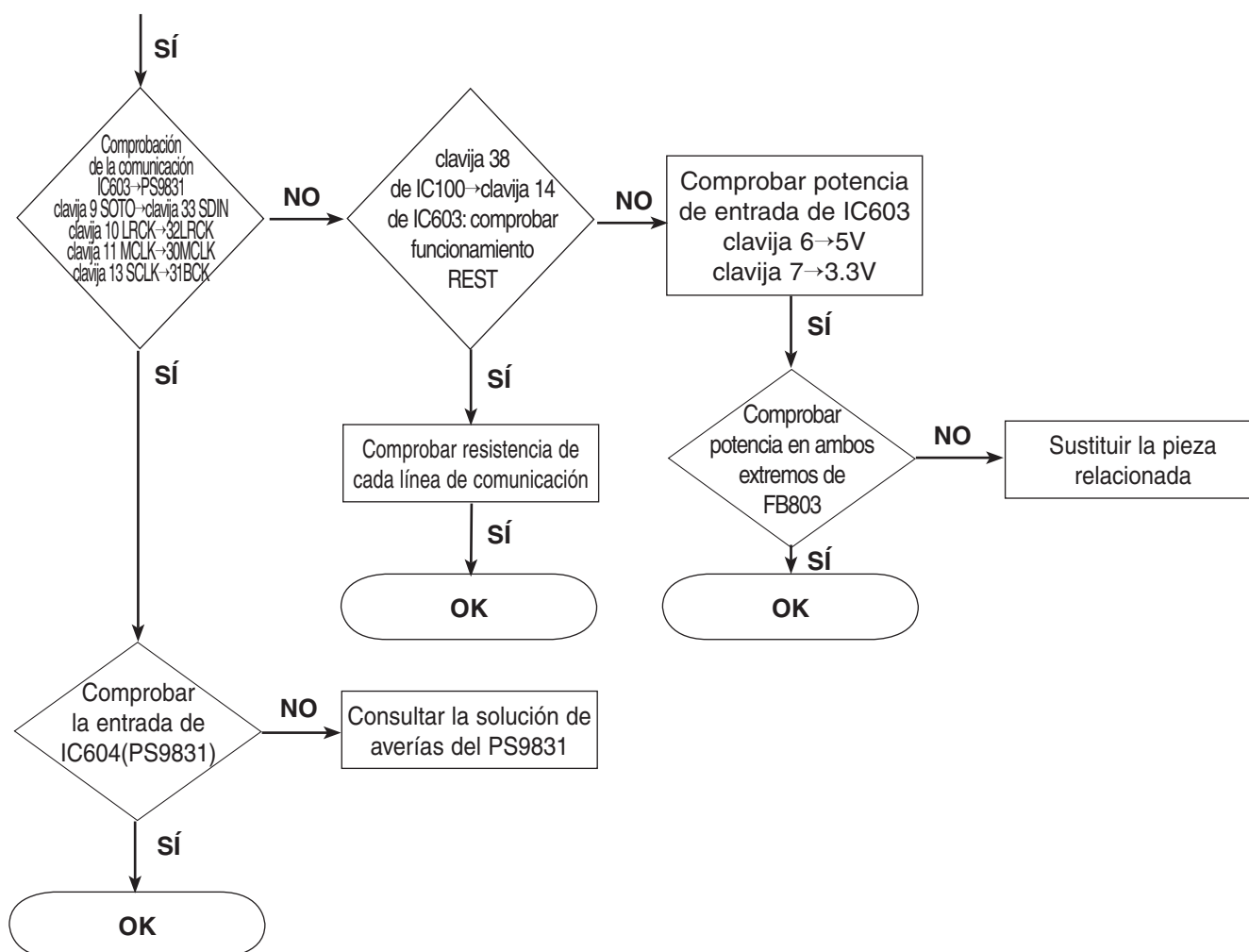


13. COMPROBACIÓN DE LA PIEZA DE GRABACIÓN DE LA CINTA

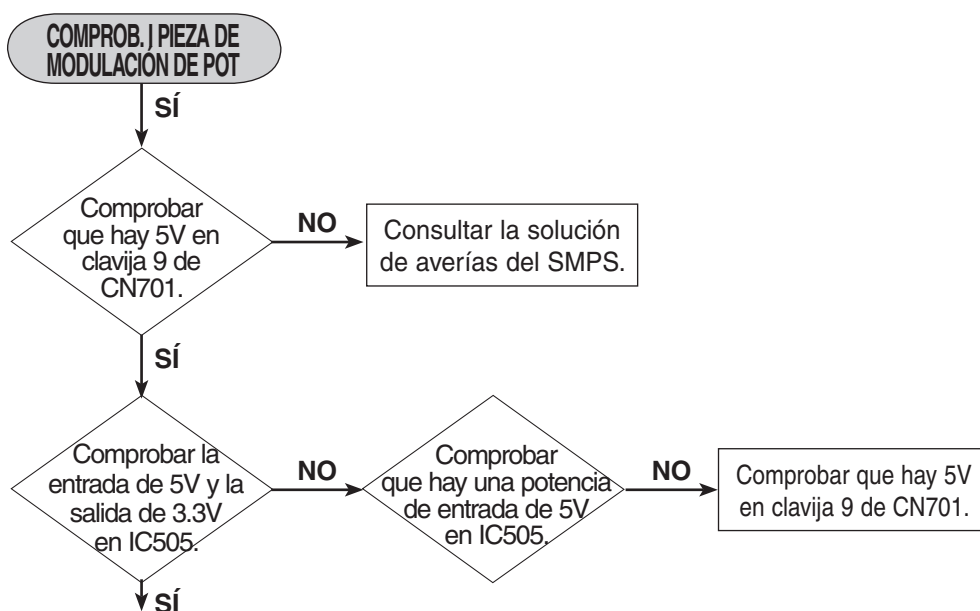


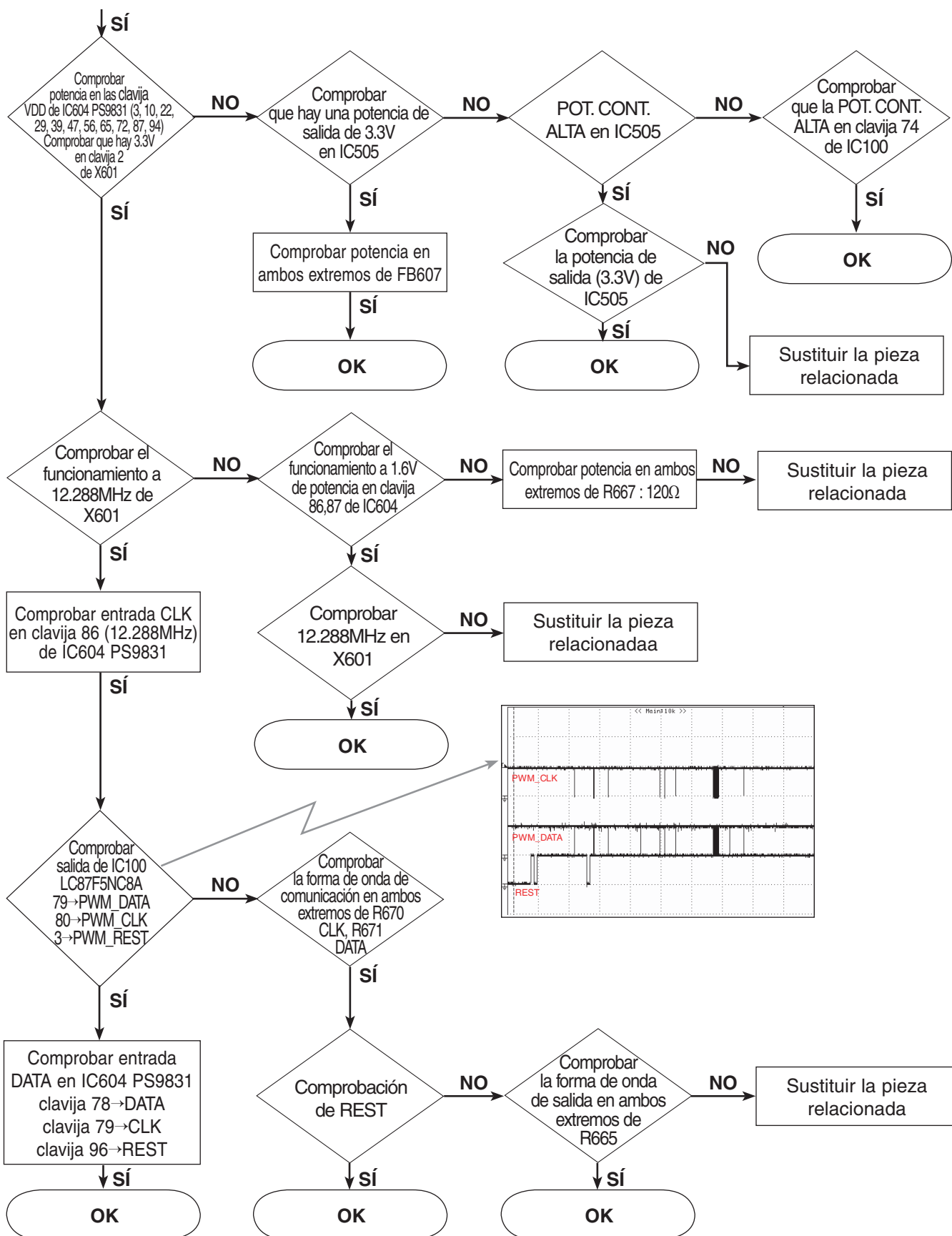
14. COMPROBACIÓN DE LA PIEZA MIC



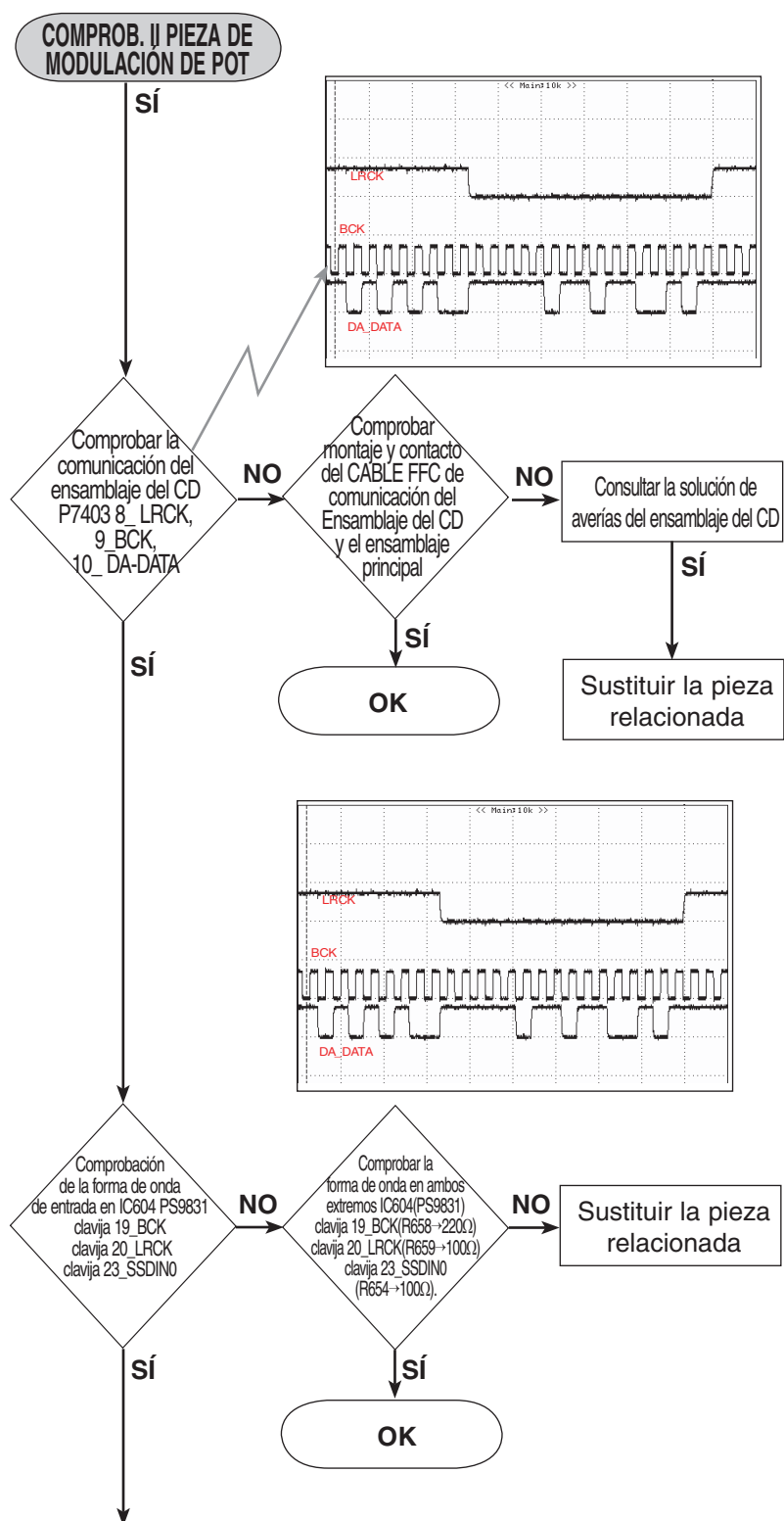


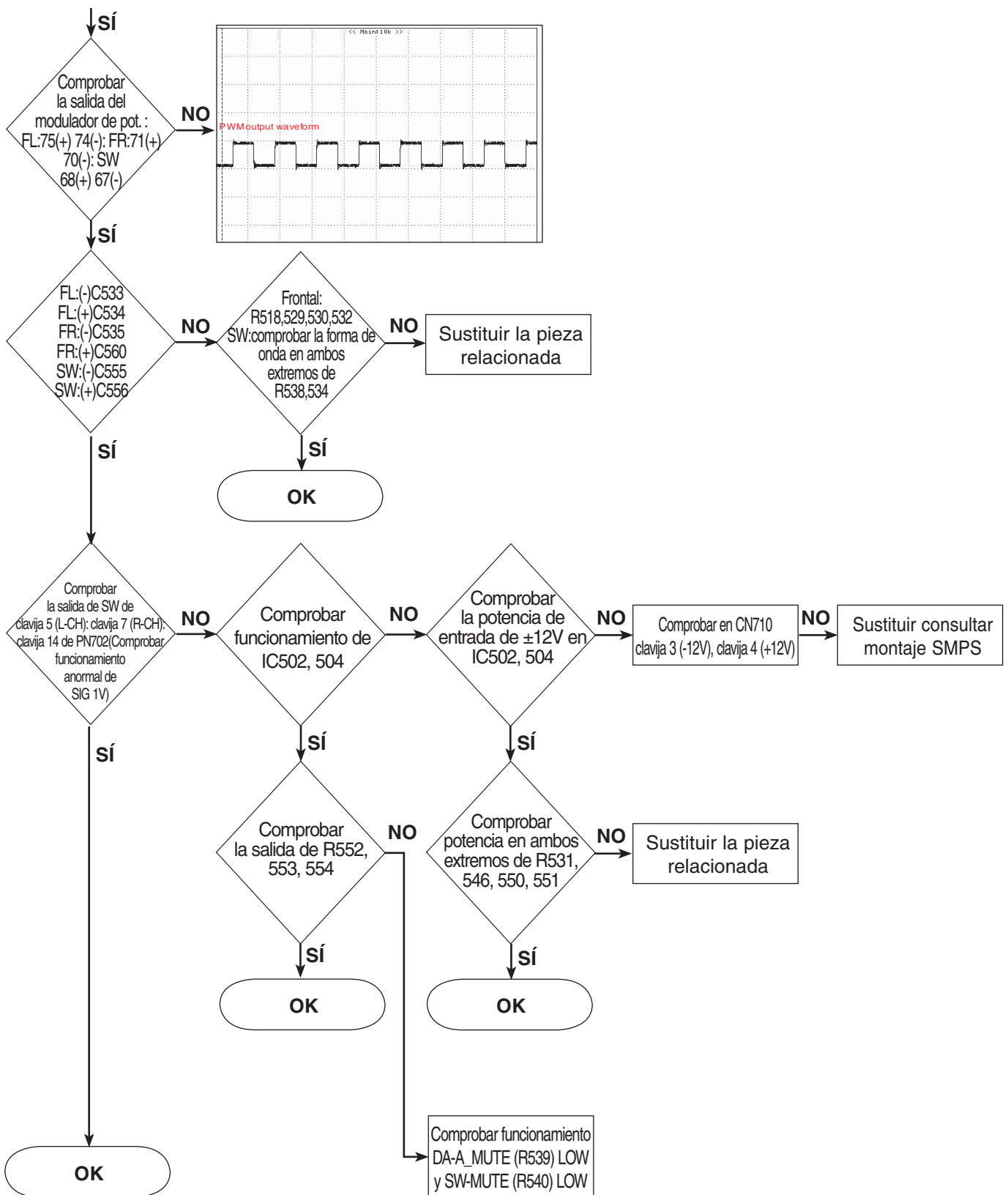
15. COMPROB. I PIEZA DE MODULACIÓN DE POT



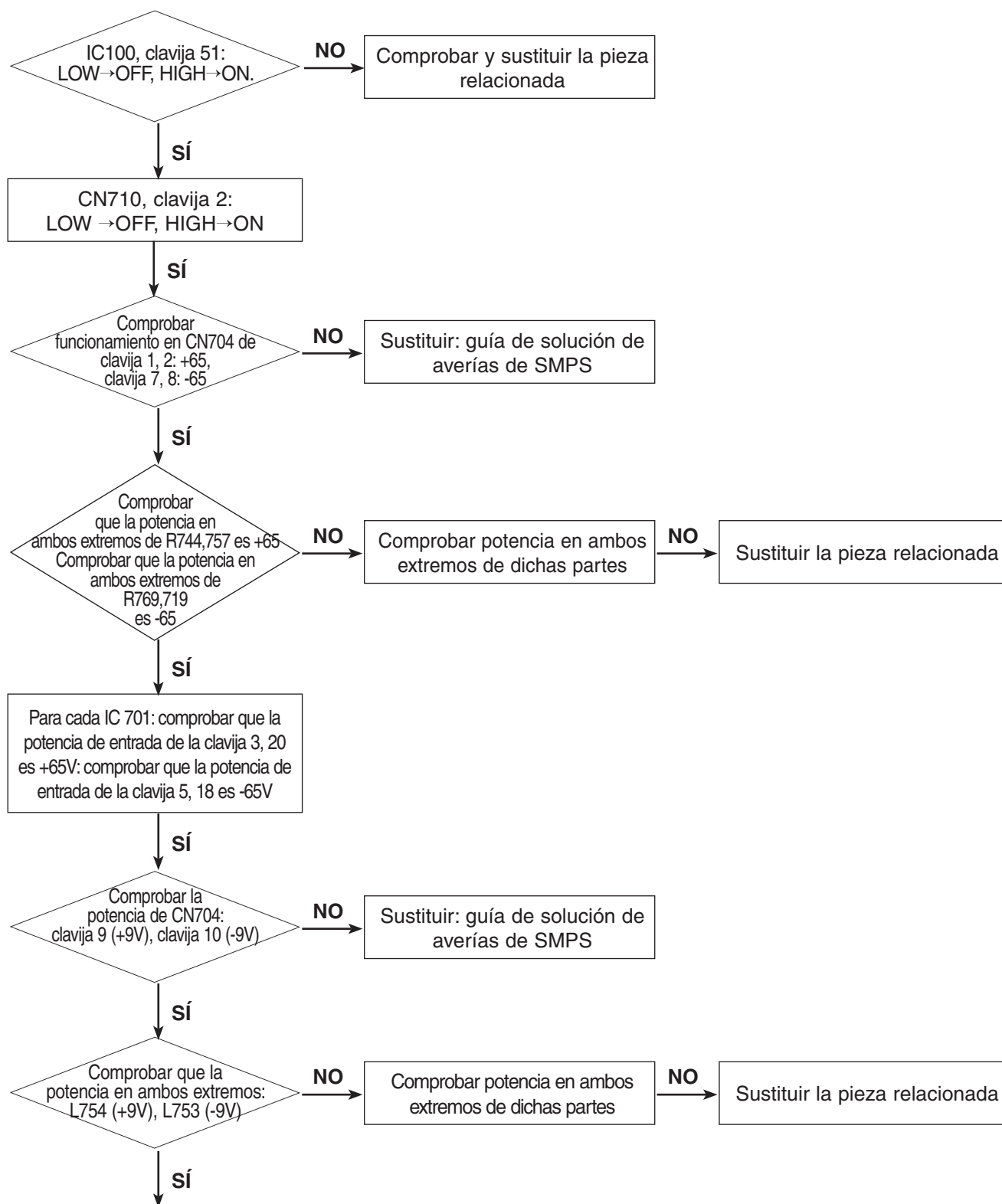


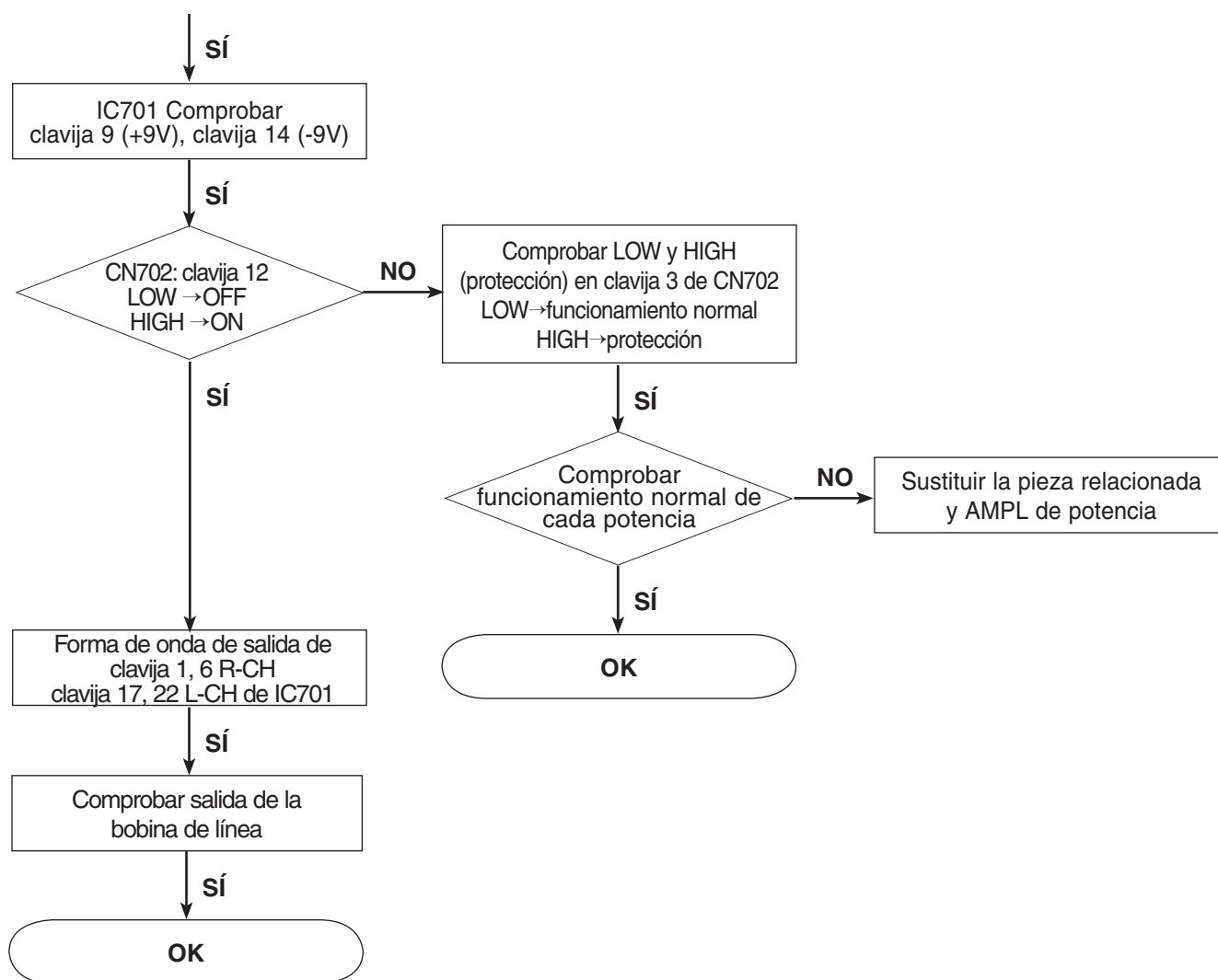
16. COMPROB. II PIEZA DE MODULACIÓN DE POT





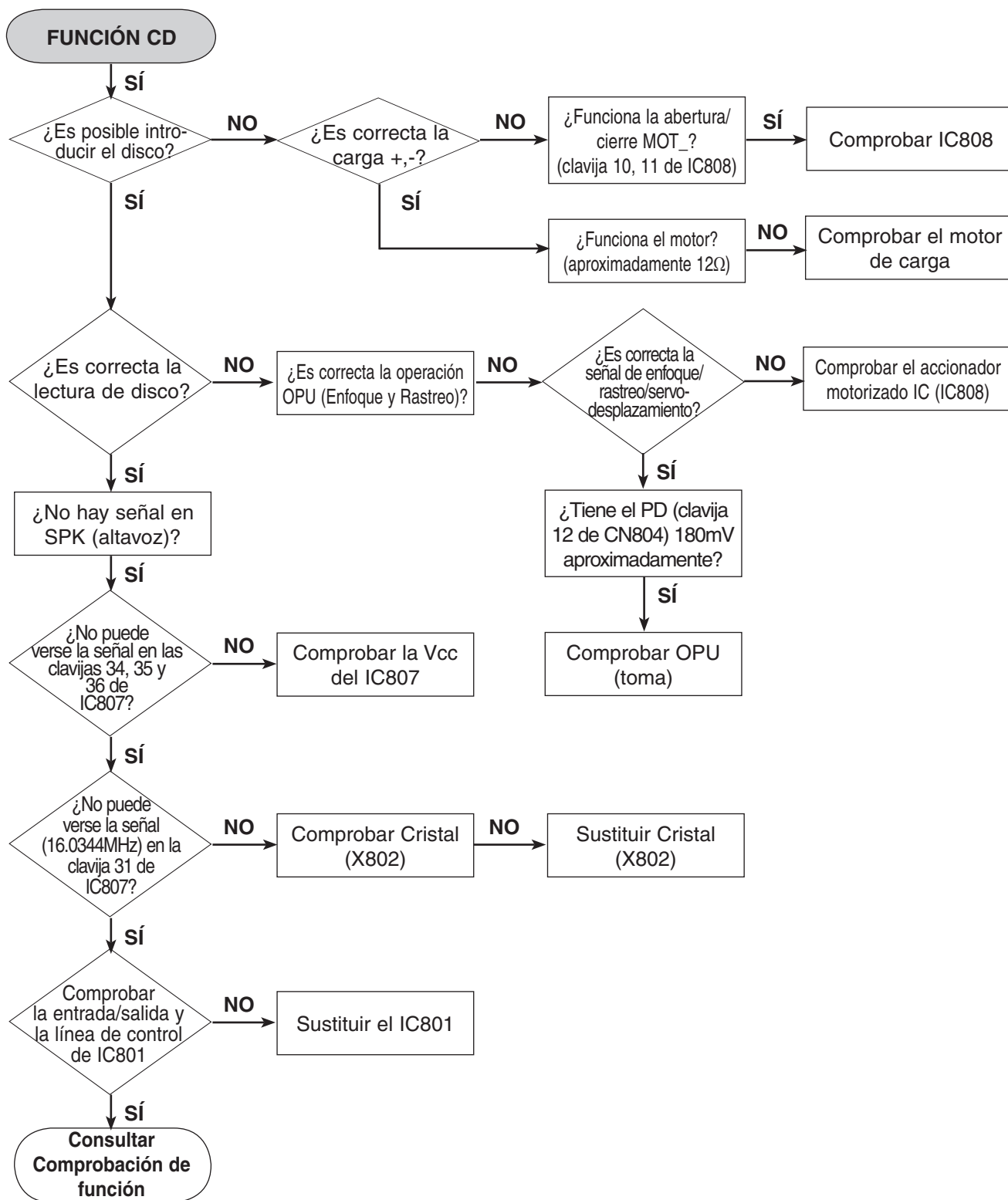
17. COMPROBACIÓN DE LA PIEZA DEL AMPL. DE POTENCIA



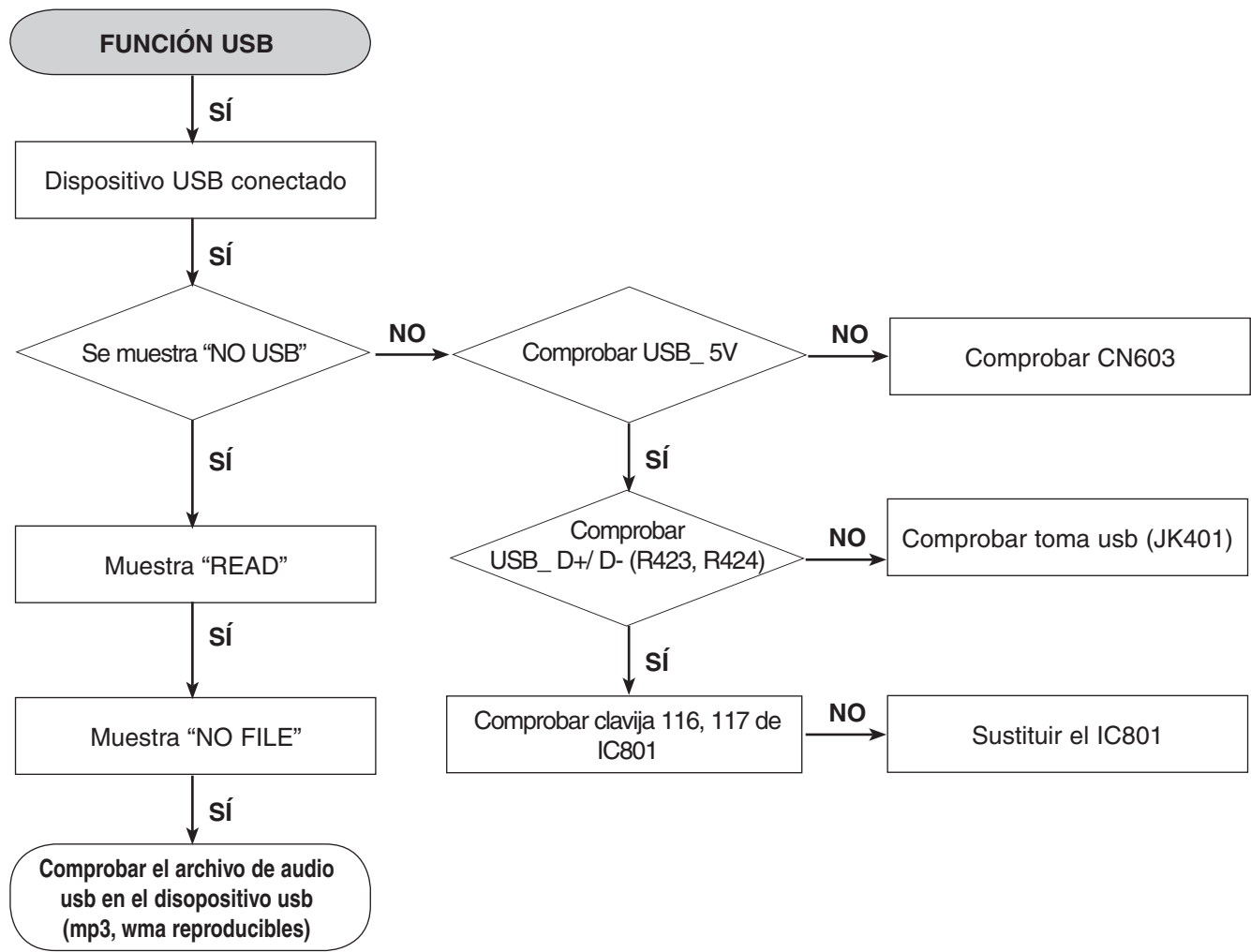


GUÍA DE SOLUCIÓN DE AVERÍAS ELÉCTRICAS DEL CD

1. COMPROBACIÓN DE PIEZAS DEL CD PRINCIPAL

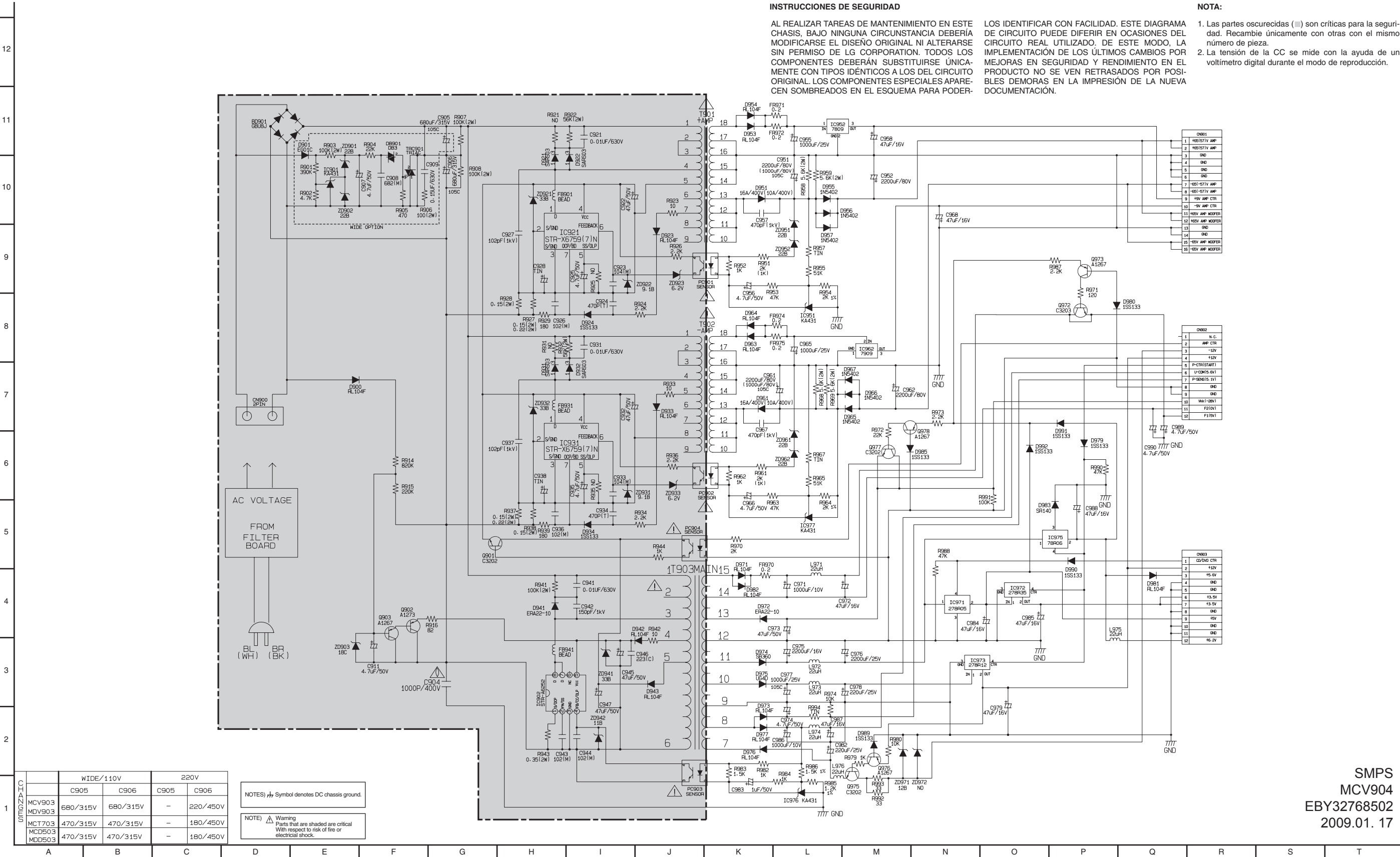


2. COMPROBAR PIEZAS USB

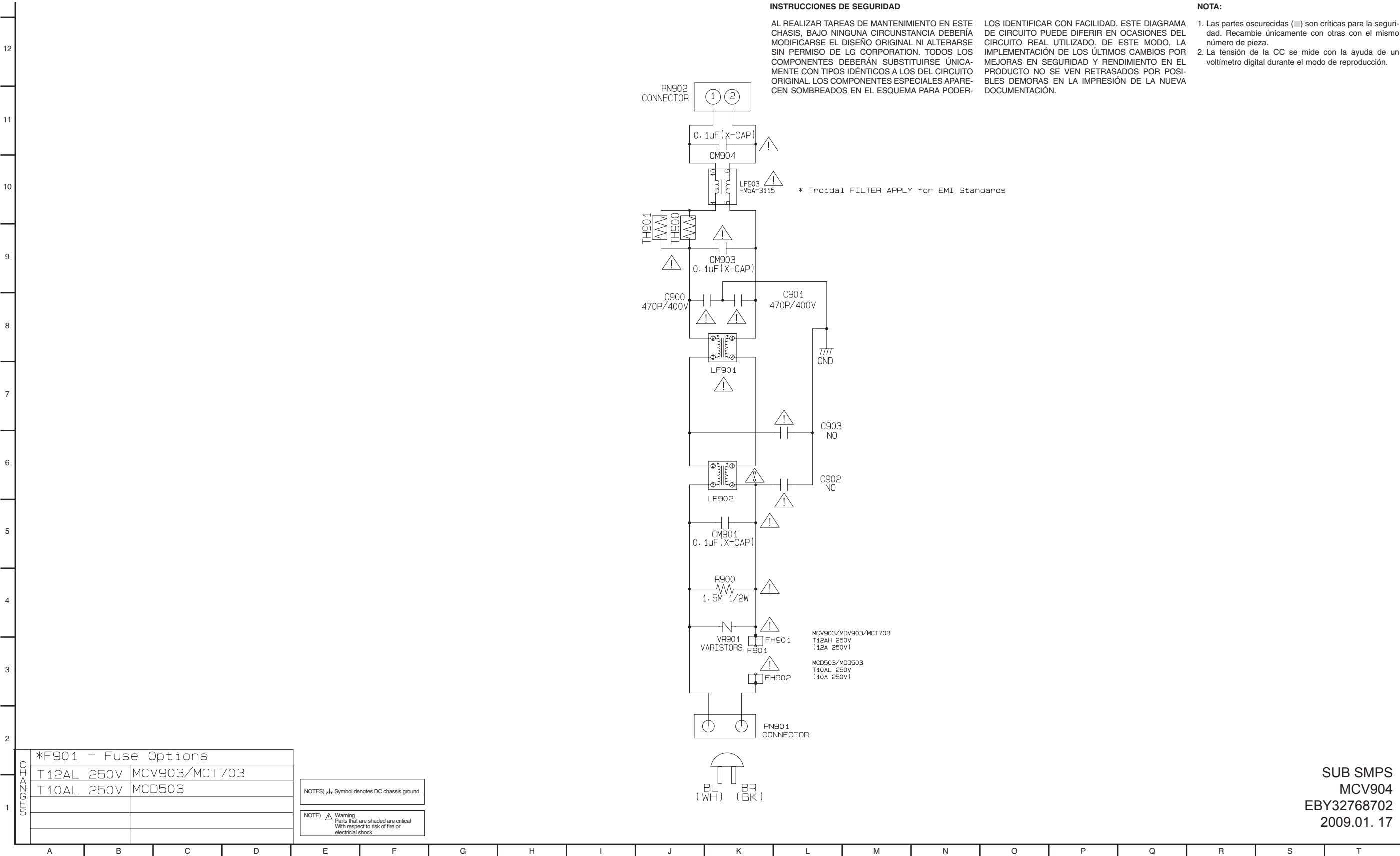


DIAGRAMAS ESQUEMÁTICOS

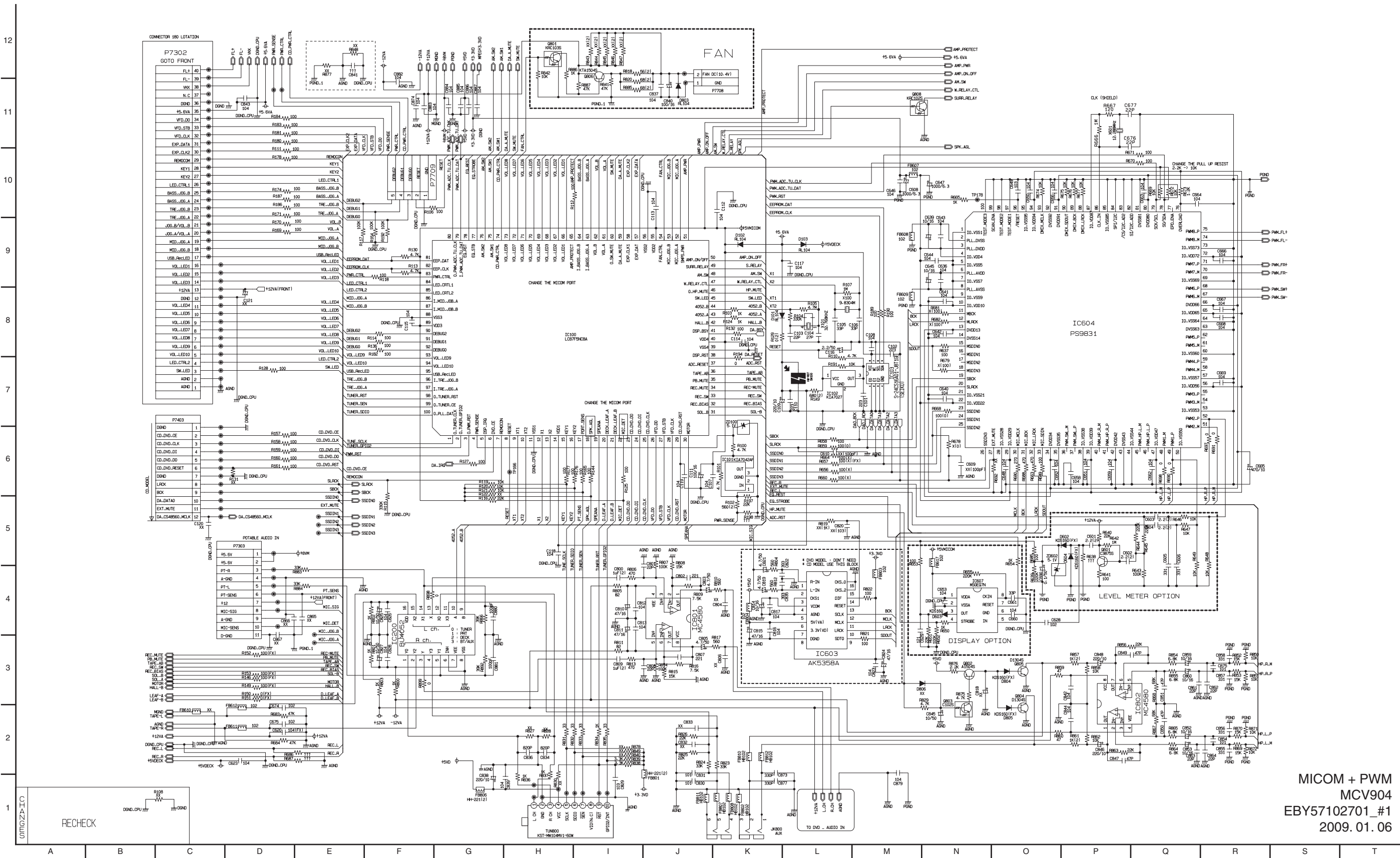
1. DIAGRAMA ESQUEMÁTICO DE SMPS (POTENCIA)



2. DIAGRAMA ESQUEMÁTICO DE SUB SMPS



3. DIAGRAMA ESQUEMÁTICO DE MICOM



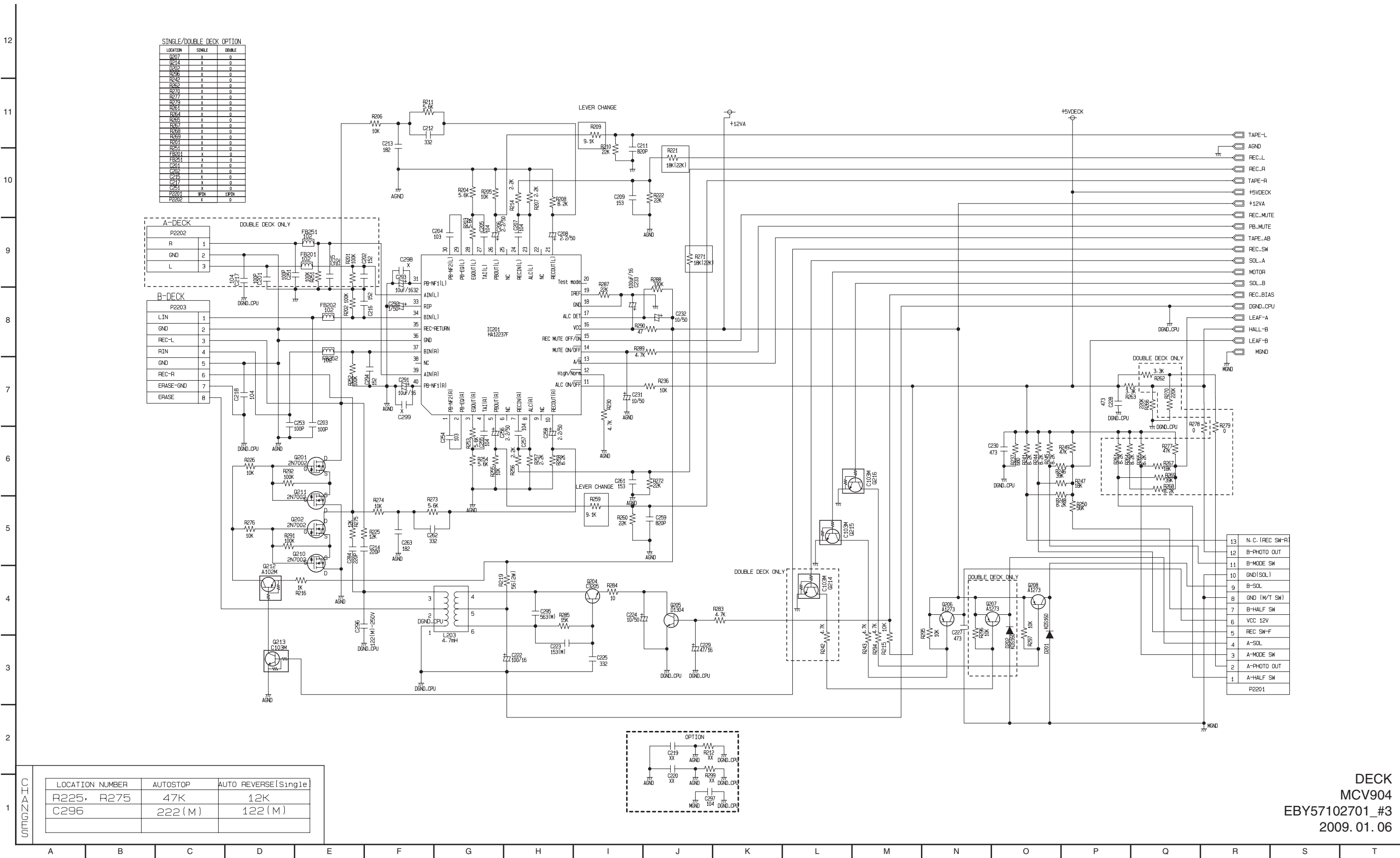
MICOM + PWM
MCV904
EBY57102701_#1
2009.01.06

The image is a detailed PCB layout for a digital audio player, featuring various functional blocks and component footprints. The layout is organized into several main sections:

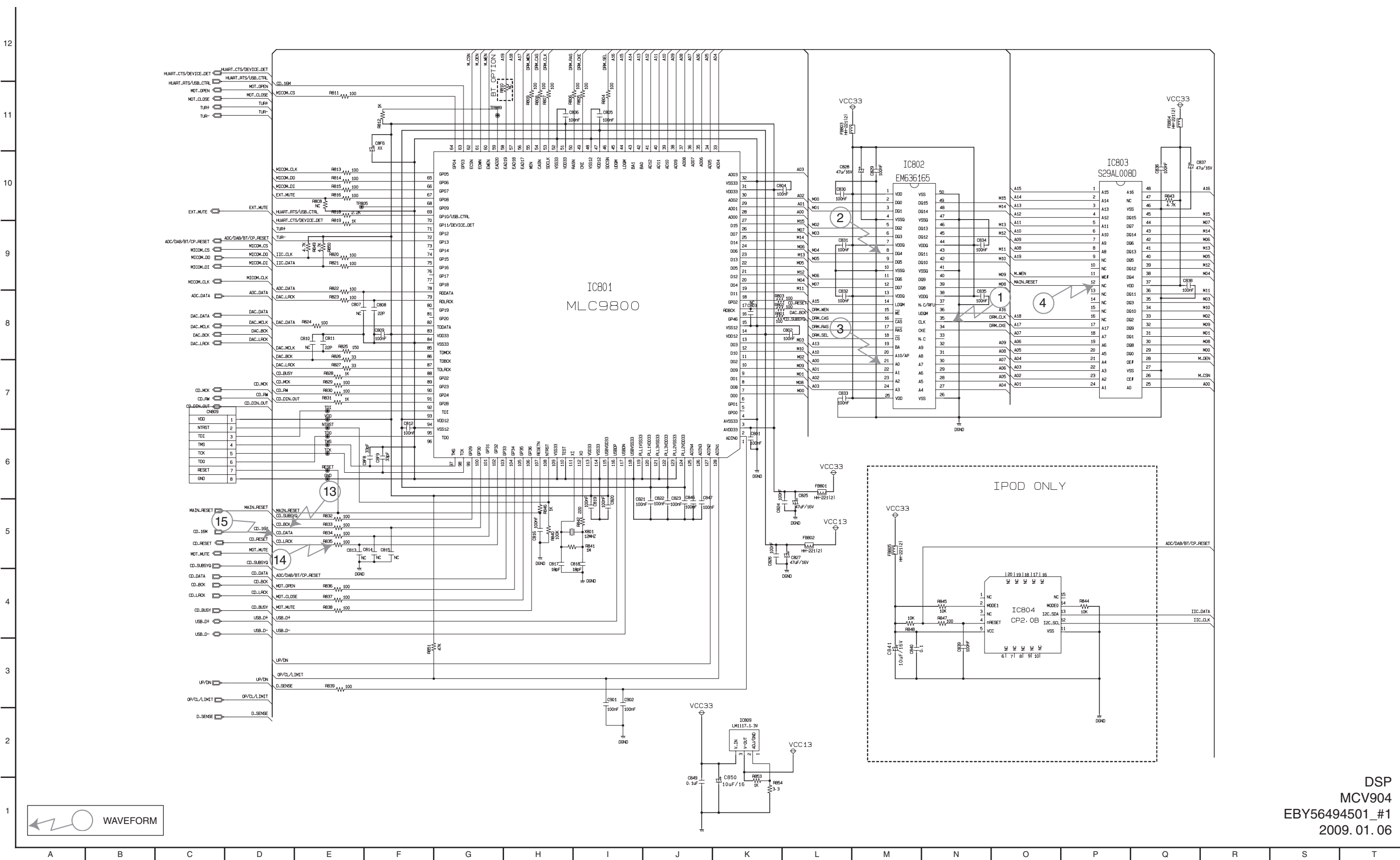
- Top Section:** Contains the main power and signal input area, including a pinout table for the top connector (F1-F10, VKK, DGN, PWR, P-CTRL, AMP, CN710) and the initial power regulation stages with capacitors (F506, F507, F508, F509, F510, F511, F512, F513, F514, F515, F516, F517, F518, F519, F520, F521, F522, F523, F524, F525, F526, F527, F528, F529, F530, F531, F532, F533, F534, F535, F536, F537, F538, F539, F540, F541, F542, F543, F544, F545, F546, F547, F548, F549, F550, F551, F552, F553, F554, F555, F556, F557, F558, F559, F560, F561, F562, F563, F564, F565, F566, F567, F568, F569, F570, F571, F572, F573, F574, F575, F576, F577, F578, F579, F580, F581, F582, F583, F584, F585, F586, F587, F588, F589, F590, F591, F592, F593, F594, F595, F596, F597, F598, F599, F600, F601, F602, F603, F604, F605, F606, F607, F608, F609, F610, F611, F612, F613, F614, F615, F616, F617, F618, F619, F620, F621, F622, F623, F624, F625, F626, F627, F628, F629, F630, F631, F632, F633, F634, F635, F636, F637, F638, F639, F640, F641, F642, F643, F644, F645, F646, F647, F648, F649, F650, F651, F652, F653, F654, F655, F656, F657, F658, F659, F660, F661, F662, F663, F664, F665, F666, F667, F668, F669, F670, F671, F672, F673, F674, F675, F676, F677, F678, F679, F680, F681, F682, F683, F684, F685, F686, F687, F688, F689, F690, F691, F692, F693, F694, F695, F696, F697, F698, F699, F700, F701, F702, F703, F704, F705, F706, F707, F708, F709, F710, F711, F712, F713, F714, F715, F716, F717, F718, F719, F720, F721, F722, F723, F724, F725, F726, F727, F728, F729, F730, F731, F732, F733, F734, F735, F736, F737, F738, F739, F740, F741, F742, F743, F744, F745, F746, F747, F748, F749, F750, F751, F752, F753, F754, F755, F756, F757, F758, F759, F760, F761, F762, F763, F764, F765, F766, F767, F768, F769, F770, F771, F772, F773, F774, F775, F776, F777, F778, F779, F780, F781, F782, F783, F784, F785, F786, F787, F788, F789, F790, F791, F792, F793, F794, F795, F796, F797, F798, F799, F800, F801, F802, F803, F804, F805, F806, F807, F808, F809, F810, F811, F812, F813, F814, F815, F816, F817, F818, F819, F820, F821, F822, F823, F824, F825, F826, F827, F828, F829, F830, F831, F832, F833, F834, F835, F836, F837, F838, F839, F840, F841, F842, F843, F844, F845, F846, F847, F848, F849, F850, F851, F852, F853, F854, F855, F856, F857, F858, F859, F860, F861, F862, F863, F864, F865, F866, F867, F868, F869, F870, F871, F872, F873, F874, F875, F876, F877, F878, F879, F880, F881, F882, F883, F884, F885, F886, F887, F888, F889, F890, F891, F892, F893, F894, F895, F896, F897, F898, F899, F900, F901, F902, F903, F904, F905, F906, F907, F908, F909, F910, F911, F912, F913, F914, F915, F916, F917, F918, F919, F920, F921, F922, F923, F924, F925, F926, F927, F928, F929, F930, F931, F932, F933, F934, F935, F936, F937, F938, F939, F940, F941, F942, F943, F944, F945, F946, F947, F948, F949, F950, F951, F952, F953, F954, F955, F956, F957, F958, F959, F960, F961, F962, F963, F964, F965, F966, F967, F968, F969, F970, F971, F972, F973, F974, F975, F976, F977, F978, F979, F980, F981, F982, F983, F984, F985, F986, F987, F988, F989, F990, F991, F992, F993, F994, F995, F996, F997, F998, F999, F1000).
- DSP OPTION:** A dashed box containing the DSP core (IC506, LM1117-1.8V) and associated signal processing components.
- WOOFER OPTION:** A dashed box containing the woofer driver circuit (IC504, MC4580) and associated components.
- DVD Only:** A dashed box containing the DVD control circuit (IC501, 7805) and associated components.
- Bottom Section:** Contains the main power and signal output area, including a pinout table for the bottom connector (F1-F10, VKK, DGN, PWR, P-CTRL, AMP, CN710) and the final power regulation stages with capacitors (F506, F507, F508, F509, F510, F511, F512, F513, F514, F515, F516, F517, F518, F519, F520, F521, F522, F523, F524, F525, F526, F527, F528, F529, F530, F531, F532, F533, F534, F535, F536, F537, F538, F539, F540, F541, F542, F543, F544, F545, F546, F547, F548, F549, F550, F551, F552, F553, F554, F555, F556, F557, F558, F559, F560, F561, F562, F563, F564, F565, F566, F567, F568, F569, F570, F571, F572, F573, F574, F575, F576, F577, F578, F579, F580, F581, F582, F583, F584, F585, F586, F587, F588, F589, F590, F591, F592, F593, F594, F595, F596, F597, F598, F599, F600, F601, F602, F603, F604, F605, F606, F607, F608, F609, F610, F611, F612, F613, F614, F615, F616, F617, F618, F619, F620, F621, F622, F623, F624, F625, F626, F627, F628, F629, F630, F631, F632, F633, F634, F635, F636, F637, F638, F639, F640, F641, F642, F643, F644, F645, F646, F647, F648, F649, F650, F651, F652, F653, F654, F655, F656, F657, F658, F659, F660, F661, F662, F663, F664, F665, F666, F667, F668, F669, F670, F671, F672, F673, F674, F675, F676, F677, F678, F679, F680, F681, F682, F683, F684, F685, F686, F687, F688, F689, F690, F691, F692, F693, F694, F695, F696, F697, F698, F699, F700, F701, F702, F703, F704, F705, F706, F707, F708, F709, F710, F711, F712, F713, F714, F715, F716, F717, F718, F719, F720, F721, F722, F723, F724, F725, F726, F727, F728, F729, F730, F731, F732, F733, F734, F735, F736, F737, F738, F739, F740, F741, F742, F743, F744, F745, F746, F747, F748, F749, F750, F751, F752, F753, F754, F755, F756, F757, F758, F759, F760, F761, F762, F763, F764,

Sólo para uso interno de LGE **3-55** **3-56** Copyright © 2009 LG Electronics, Inc.
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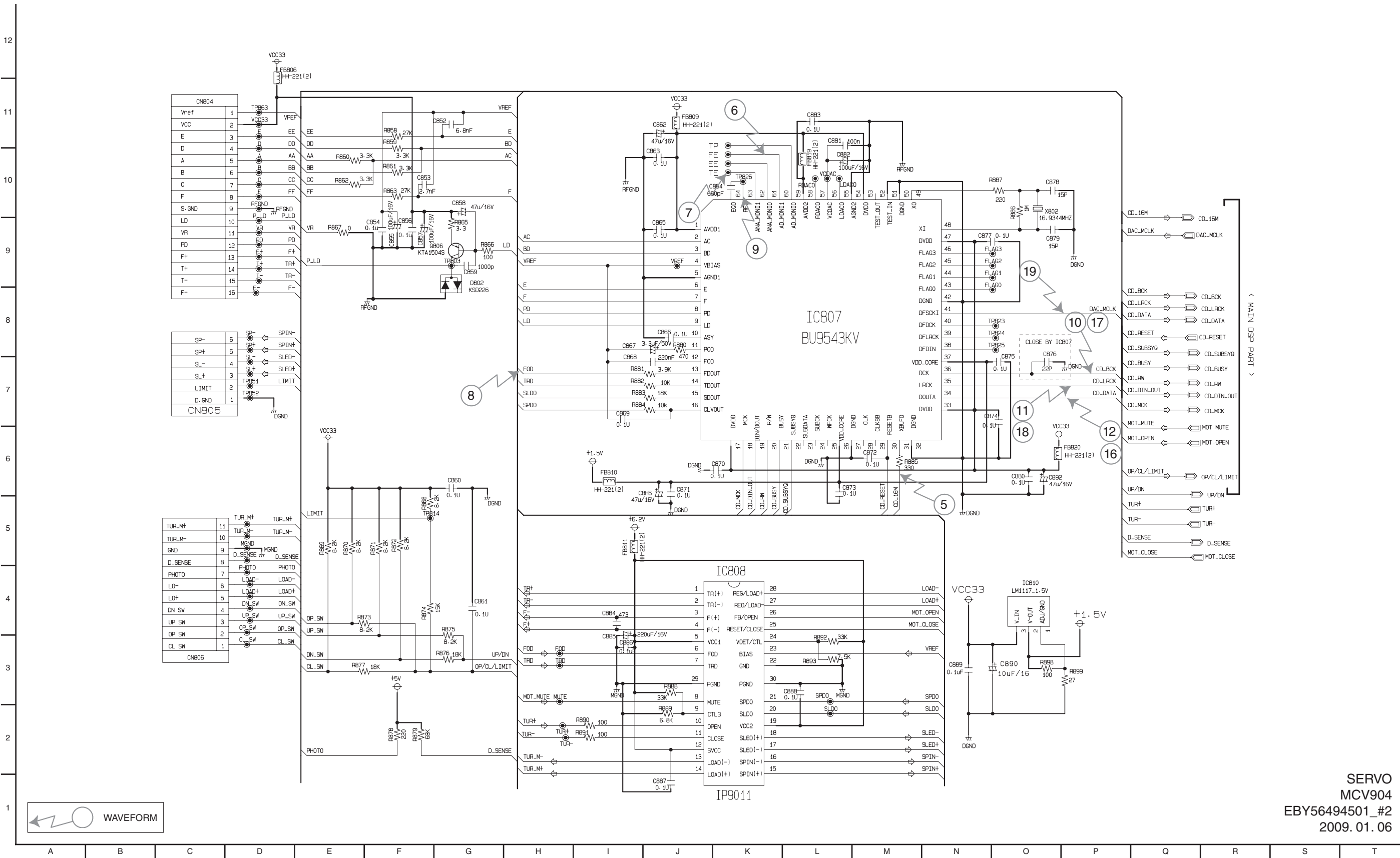
5. DIAGRAMA ESQUEMÁTICO DE DECK



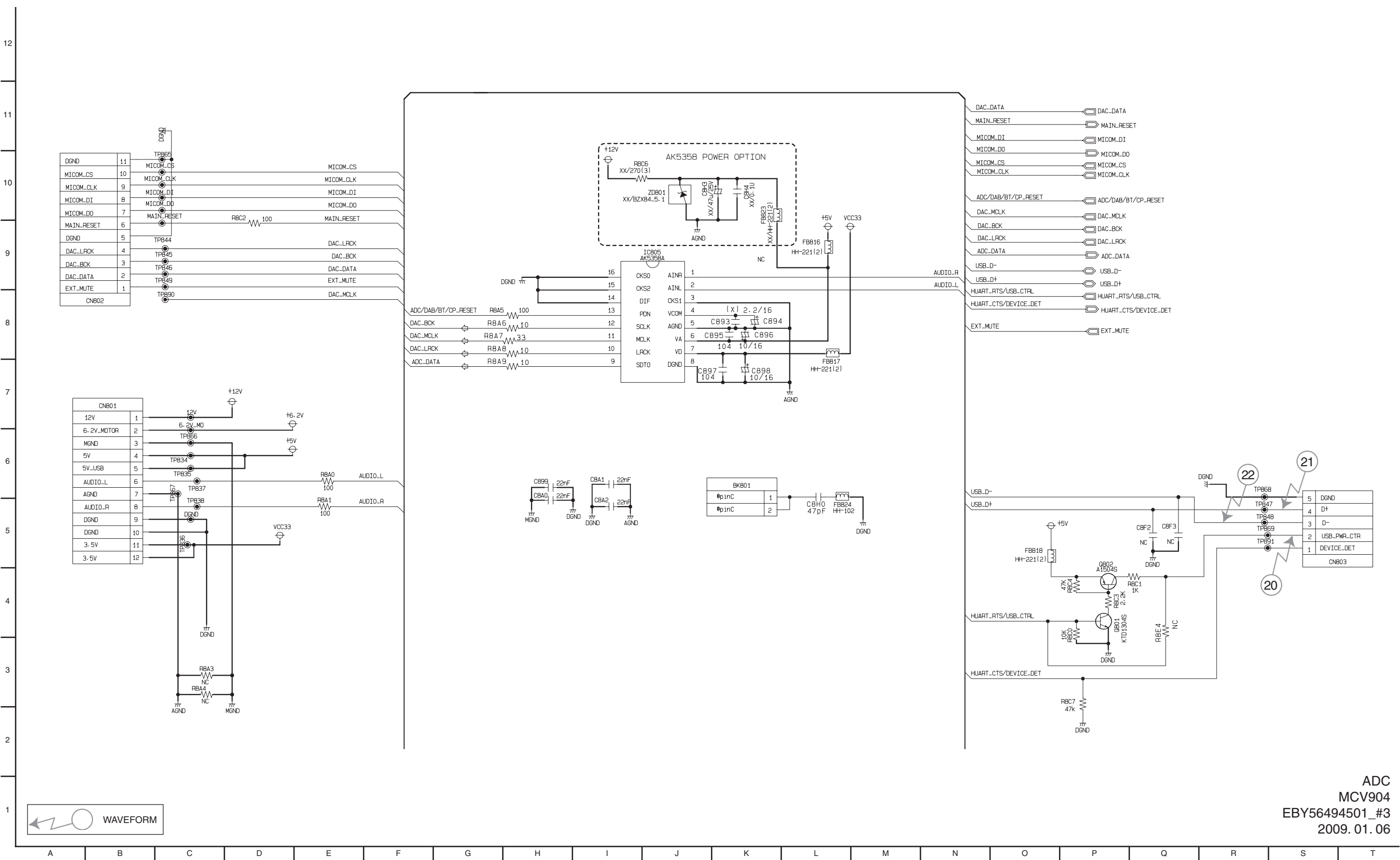
6. DIAGRAMA ESQUEMÁTICO DE DSP



7. DIAGRAMA ESQUEMÁTICO DE SERVO



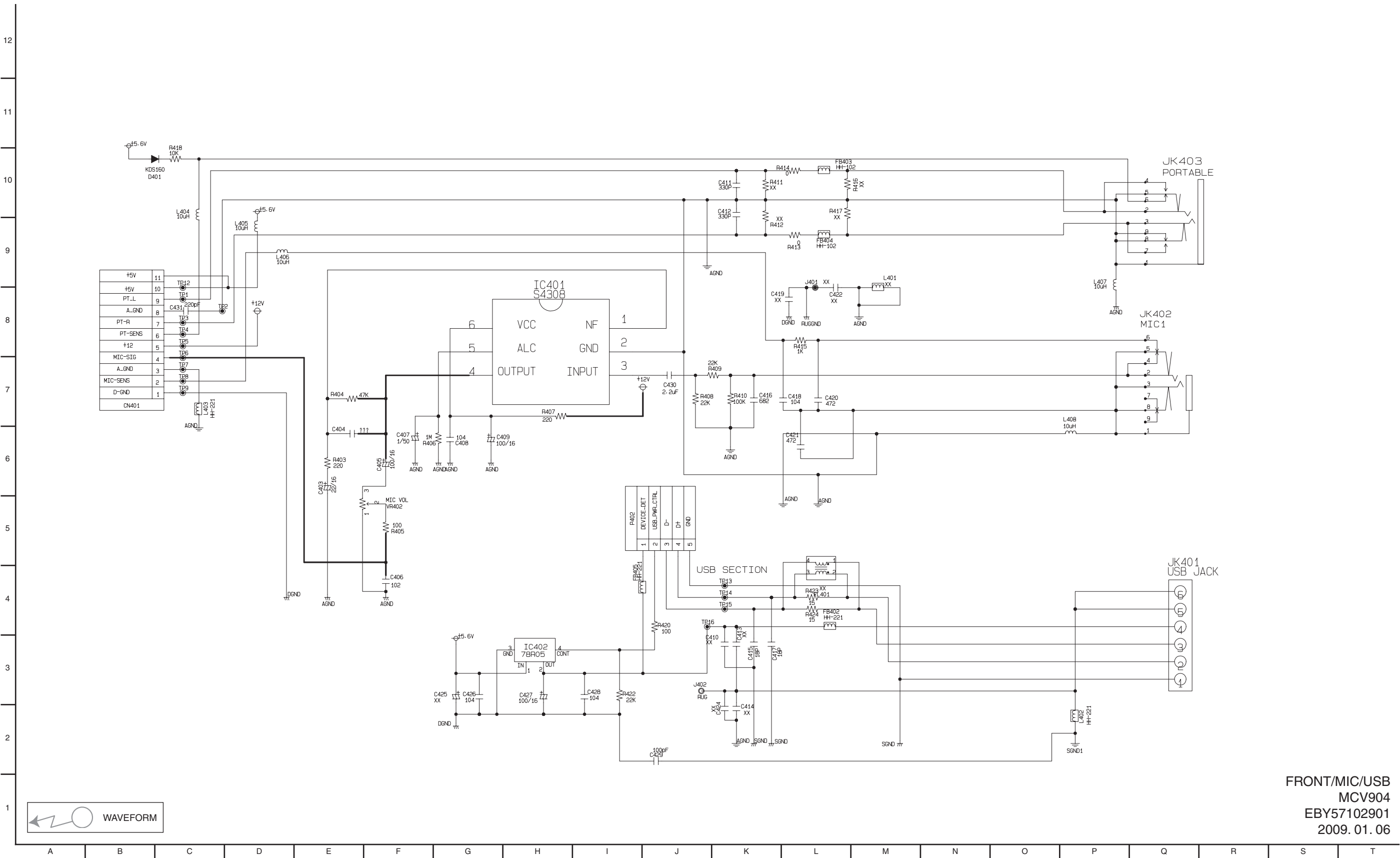
8. DIAGRAMA ESQUEMÁTICO DE ADC



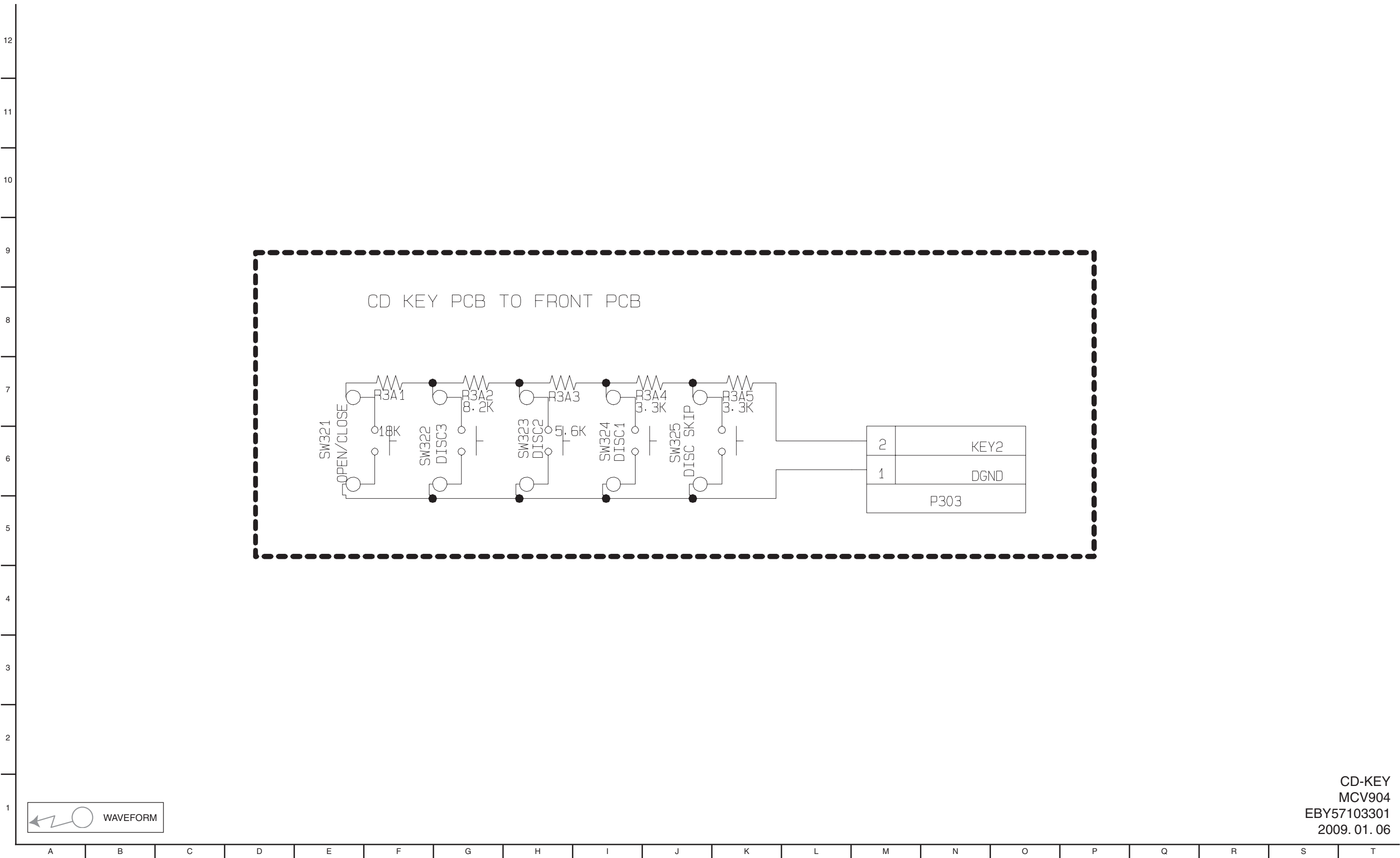
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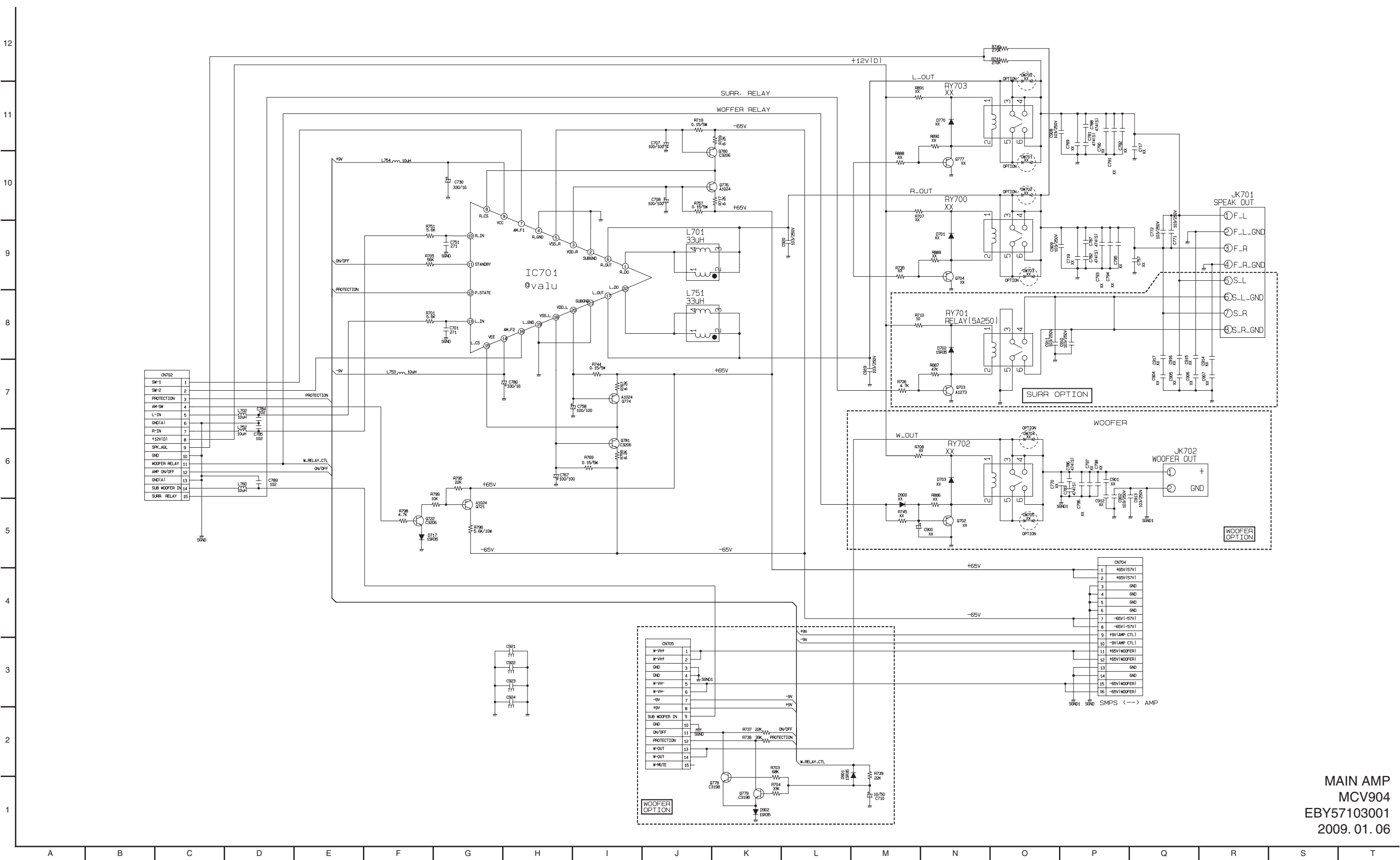
10. DIAGRAMA ESQUEMÁTICO DE FRONTAL/MIC/USB



11. DIAGRAMA ESQUEMÁTICO DE CD-TECLA



12. DIAGRAMA ESQUEMÁTICO DE PRINCIPAL AMP



MAIN AMP
MCV904
EBY57103001
2009. 01. 06

13. DIAGRAMA ESQUEMÁTICO DE WOOFER AMP

